SENIOR HANDBOOK

UNIVERSITY OF HAWAI`I
JOHN A. BURNS SCHOOL OF MEDICINE
HONOLULU, HAWAII

PROBLEM-BASED LEARNING CURRICULUM

M.D. PROGRAM

2010-2011
2010-2011 Senior Year Academic Calendar

<table>
<thead>
<tr>
<th>Block</th>
<th>Start</th>
<th>End</th>
<th>Weeks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>07/06/10(Tues)</td>
<td>07/30/10</td>
<td>04</td>
</tr>
<tr>
<td>B</td>
<td>08/02/10</td>
<td>08/27/10</td>
<td>04</td>
</tr>
<tr>
<td>C</td>
<td>08/30/10</td>
<td>09/24/10</td>
<td>04</td>
</tr>
<tr>
<td>D</td>
<td>09/27/10</td>
<td>10/22/10</td>
<td>04</td>
</tr>
<tr>
<td>E</td>
<td>10/25/10</td>
<td>11/19/10</td>
<td>04</td>
</tr>
<tr>
<td>F</td>
<td>11/22/10</td>
<td>12/17/10</td>
<td>04</td>
</tr>
<tr>
<td></td>
<td>Winter break</td>
<td>12/20/10</td>
<td>12/31/10</td>
</tr>
<tr>
<td>G</td>
<td>01/03/11</td>
<td>01/28/11</td>
<td>04</td>
</tr>
<tr>
<td>H</td>
<td>01/31/11</td>
<td>02/25/11</td>
<td>04</td>
</tr>
<tr>
<td>I</td>
<td>02/28/11</td>
<td>03/24/11(Thurs)</td>
<td>04</td>
</tr>
<tr>
<td>J</td>
<td>03/28/11</td>
<td>04/21/11(Thurs)</td>
<td>04</td>
</tr>
<tr>
<td>K</td>
<td>04/25/11</td>
<td>05/13/11</td>
<td>03</td>
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Fall ’10 Commencement:  Saturday, December 18, 2010
Spring ’11 Commencement:  Spring ’11 Convocation:

2010-2011 Schedule of Hawai’i State Holidays

<table>
<thead>
<tr>
<th>Day Observed</th>
<th>Holiday</th>
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<tbody>
<tr>
<td>Monday, July 05, 2010</td>
<td>Independence Day</td>
</tr>
<tr>
<td>Friday, August 20, 2010</td>
<td>Admission Day</td>
</tr>
<tr>
<td>Monday, September 6, 2010</td>
<td>Labor Day</td>
</tr>
<tr>
<td>Tuesday, November 2, 2010</td>
<td>Election Day</td>
</tr>
<tr>
<td>Thursday, November 11, 2010</td>
<td>Veteran's Day</td>
</tr>
<tr>
<td>Thursday, November 25, 2010</td>
<td>Thanksgiving Day</td>
</tr>
<tr>
<td>Friday, December 24, 2010</td>
<td>Christmas Day</td>
</tr>
<tr>
<td>Friday, December 31, 2010</td>
<td>New Year's Day</td>
</tr>
<tr>
<td>Monday, January 17, 2011</td>
<td>Martin Luther King, Jr., Day</td>
</tr>
<tr>
<td>Monday, February 21, 2011</td>
<td>President's Day</td>
</tr>
<tr>
<td>Friday, March 25, 2011</td>
<td>Kuhio Day</td>
</tr>
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<td>Friday, April 22, 2011</td>
<td>Good Friday</td>
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<td>MED 541</td>
<td>Advanced Medicine</td>
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<tr>
<td>MDED 541</td>
<td>Clinical Skills Assessment</td>
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</tr>
<tr>
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<td>Emergency Medicine</td>
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</tr>
<tr>
<td>GERI 541</td>
<td>Geriatric and Palliative Medicine</td>
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</tr>
<tr>
<td>PATH 541</td>
<td>Pathology Practicum</td>
<td>18</td>
</tr>
<tr>
<td>MDED 564</td>
<td>Senior Seminars</td>
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**ELECTIVE COURSES**

**COMPLEMENTARY AND ALTERNATIVE MEDICINE**

Students interested in an elective in Complementary and Alternative Medicine, contact Dr. Rosanne Harrigan at 692-0909.

<table>
<thead>
<tr>
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<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>MDED 545-C</td>
<td>Complementary and Alternative Medicine</td>
<td>21</td>
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**FAMILY MEDICINE AND COMMUNITY HEALTH**

Students interested in Family Medicine and Community Health, contact the Department of Family Medicine and Community Health at 627-3235 (95-390 Kuahelani Avenue, Mililani, Hawaii).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Page</th>
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</thead>
<tbody>
<tr>
<td>FPCH 545-B</td>
<td>Primary Care Preceptorship</td>
<td>23</td>
</tr>
<tr>
<td>FPCH 545-C</td>
<td>Topics in Community Health</td>
<td>25</td>
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<tr>
<td>FPCH 545-D</td>
<td>Sub-Internship in Family Medicine</td>
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<td>FPCH 545-E</td>
<td>Extramural Elective in Family Medicine and Community Health</td>
<td>27</td>
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<tr>
<td>FPCH 545-F</td>
<td>Sports Medicine Preceptorship</td>
<td>28</td>
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</table>

**GERIATRIC MEDICINE**

Students interested in the Geriatric Medicine Elective, contact Misty Yee at 523-8461 (347 N. Kuakini Street, HPM 9th Floor, Honolulu, Hawaii).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>GERI 542</td>
<td>Geriatric Medicine Research</td>
<td>29</td>
</tr>
<tr>
<td>GERI 545</td>
<td>Geriatric and Palliative Medicine</td>
<td>30</td>
</tr>
</tbody>
</table>

**MEDICAL EDUCATION**

Students interested in Medical Education Elective, contact Dr. Richard Kasuya at 692-0940.

<table>
<thead>
<tr>
<th>Course Code</th>
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</thead>
<tbody>
<tr>
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MEDICINE
Students interested in Medicine Electives, contact Julieta Rajlevsky at jlrajlev@hawaii.edu or 586-7478.

For current and complete descriptions, please refer to the UH Department of Medicine website (www.uhmed.org) - Medical Students - 4th Year Electives.

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NATIVE HAWAIIAN HEALTH
Students interested in Native Hawaiian Health elective, contact Dr. Dee-Ann Carpenter at 587-8612, or email deeannc@hawaii.edu.

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OBSTETRICS AND GYNECOLOGY
Students interested in the Department of Obstetrics, Gynecology and Women's Health Electives, contact Lisa Kellett at 203-6532 (Kapiolani Medical Center, Room 824).

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**PATHOLOGY**
Students interested in the Pathology Electives, contact Jean Chee at 692-1130 (John A. Burns School of Medicine, Medical Education Building, Room 401).

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<tbody>
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<td>PATH 545-C</td>
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</tr>
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<td>PATH 545-D</td>
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<td>76</td>
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**PEDIATRICS**
Students interested in the Pediatric Electives, contact Tina Allison at 983-8387 (Kapiolani Medical Center for Women and Children).

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
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<td>PEDS 545-E</td>
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<td>PEDS 545-F</td>
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<td>PEDS 545-G</td>
<td>Pediatric Cardiology</td>
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<td>PEDS 545-H</td>
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<td>Pediatric Hematology/Oncology</td>
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<td>PEDS 545-J</td>
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<td>PEDS 545-P</td>
<td>Developmental Behavioral Pediatrics</td>
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</tbody>
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**PSYCHIATRY**
Students interested in the Psychiatry Electives, contact Dana Iida at 586-7445 or email iidad@dop.hawaii.edu (Queen’s Medical Center, University Tower, 4th Floor).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>PSTY 545-C</td>
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<td>PSTY 545-M</td>
<td>Consult-Liaison Psychiatry</td>
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<td>PSTY 545-Q</td>
<td>Geriatric Psychiatry</td>
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<td>PSTY 545-T</td>
<td>Mental Health Research</td>
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**SURGERY**
Students interested in the Surgery or Radiology Electives, contact the Department of Surgery at 586-8229 (Queen’s Medical Center, University Tower, 6th Floor).

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>SURG 545-B</td>
<td>Surgical Specialty: Urology</td>
<td>99</td>
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<td>SURG 545-M</td>
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<td>SURG 545-S</td>
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REMINDER:

HAND SANITIZING

PRIOR TO
AND
AFTER
TOUCHING
INDIVIDUAL PATIENTS
(HANDSHAKES INCLUDED!)

IS

YOUR
PROFESSIONAL DUTY
General Information for Senior Students

The 2010-2011 Senior Student Handbook contains information for your successful navigation through the JABSOM Senior Curriculum. It includes important forms, a Summary of Senior Year Graduation Requirements and the listing of Senior courses. You will also be able to find ‘add/cancel’ forms on the JABSOM website, at http://jabsom.hawaii.edu/JABSOM/admissions/programs.php?l1=mdp&l2=currS

A listing of “IMPORTANT DATES” is included in this handbook; keep alert to updates that you will receive electronically.

For each Senior Course, you will find a brief description of course information, Learning Objectives, Methods of course delivery and Evaluation. A minimum of 35 weeks of Senior credit is necessary to graduate (See Summary of Senior Year Graduation Requirements).

You must choose a “Career Advisor” who can help you develop and execute a strategy to plan for your graduate medical education (also known as “Residency”). If you are pretty certain on your career path, choose an advisor from the list attached in the field of your interest. Otherwise, choose an advisor in a field you think you might wish to enter, and ask that advisor to help with your career choice; you may also find speaking with your Academic Advisor useful. Dr. Antonelli in OSA remains a back-up resource for any student who is unable to decide on which advisor to approach, so call for an appointment if this describes you!

Don’t forget to access the valuable resources in the AAMC’s Careers in Medicine Program (http://www.aamc.org/students/cim/) as an adjunct to your decision-making. The “Specialty Indecision Scale, 2nd Edition” may be helpful if you are one of the “undecided” (there are always a number of undecided students, so you’re not alone!!). You will need to sign into Careers In Medicine Website to view this.

Senior electives are designed to increase your level of responsibility in patient care, broaden your exposure to and depth of knowledge of medicine and sub-specialties. You are required to review your elective schedule with your Career Advisor, and to have this advisor sign off on your Senior Schedule/Approval Form. It is expected that you will keep your career advisor up-to-date on any revisions. Successful completion of a course is documented by evaluation of student performance by the course director or faculty, submitted to the Department and forwarded to Office of Student Affairs to be included in the Student Academic File.

Eight weeks of your senior year are available for taking USMLE Step 2 CS, for residency interviewing and/or for vacation. Taking time out of required courses or Sub-Internships is NOT allowed, and taking time out of electives for these may result in losing credit, so be careful about scheduling. ALWAYS check with OSA if you expect to need additional time for these activities to confirm that you will still have the credit needed for graduation!

A listing of Career Advisors and Senior Year Forms can be found in this handbook. Additional copies of forms are available at OSA, and will soon be available on the JABSOM OSA website.

Information/Procedures critical to JABSOM Seniors:

1. Students MUST be registered in Senior courses (by the Office of Student Affairs) in order to receive credit for each curricular element. Registration is completed for you after you submit the completed and advisor-signed “Senior Academic Schedule/Registration” to OSA by May 15.

2. Final course selection must be completed by April 30, 2010 after which time the electives are made available to visiting students and UH house staff on a space available basis. You may change electives after this, on a space-available basis.
3. No more than 12 weeks can be taken out-of-state (this includes international electives), and requests must be submitted on the “OUT OF STATE ELECTIVE FORM” (green). Please note that all ‘away electives’ must have the approval of the department course coordinator/faculty representative (varies between departments) in which the elective is taken AND the Director of Student Affairs. Instructions for out-of-state electives are provided on the back of the “Out of State Elective Form.” Sixty three schools are using a common application (VSAS) this year (http://www.aamc.org/programs/vsas/)

4. Additions/deletions must be completed by the start of the preceding block in which you wish to change (for example: if you wish to add/drop a 4 or 2 week elective in Block B, you must have completed and turned in the “ADD/CANCEL SENIOR ELECTIVES (#545/546) FORM” to the appropriate department by the start of Block A. If you wish to change Block C, then you must have completed the paperwork by the start of Block B, etc.). This is process is necessary to assure that you are registered (ie, to receive credit) for each curricular element in the Senior year.

5. For reasons of liability coverage, clinical experiences for which you do not wish or need Academic Credit must still be submitted and approved. See “NON-CREDIT APPROVAL FORM”.

6. Travel for USMLE Step 2 CS and/or residency interviews must NOT interfere with other curricular requirements.

7. Both Step 2-CK and Step 2 CS exams MUST be taken before December 31 of your Senior Year. Since many residency programs are now expecting that these grades are available, some even before inviting for interview, it is advisable to take them as early as possible in the 2010-11 academic year. The Step 2CS exam scheduling may be difficult; in order that a score is available prior to graduation, you are required to complete the exam by December 31, 2010 or you may not be able to graduate in May, 2011!!!

8. PAY ATTENTION to e-mails from OSA! Even when traveling, don’t forget to check your e-mail for important updates and information from OSA.

9. During the early part of the Senior Year, OSA will present workshops to address writing personal statements for your residency applications; notice will be sent by e-mail.

10. You must make an appointment with Dr. Antonelli for an interview in preparation for your Medical School Performance Evaluation (“Dean’s Letter”), which is a critical part of residency applications. OSA will announce the dates by e-mail. To prepare for the MSPE appointment, it is expected that you have:
   a. Reviewed your academic file at OSA
   b. Written a draft of your Personal Statement and bring it with you
   c. Written a draft of your Curriculum Vita and bring it with you

11. Alpha Omega Alpha Honor Medical Society members are chosen in early Fall “not only for their high academic standing, but as well for leadership among their peers, professionalism and a firm sense of ethics, promise of future success in medicine, and a commitment to service in the school and community.” (from http://www.alphaomegaalpha.org/)

12. Professionalism and integrity is expected in all assignments, exams peer supervisor and patient interactions. You are representatives of JABSOM and of the profession of medicine to the community, which has helped support your preparation as a physician. You deserve the respect of society, which comes with the awesome responsibility of the physician.

IN CONCLUSION
Plan your year carefully, seeking counsel and advice from your academic and career advisors and other mentors in order to maximize your senior learning experiences. Dr. Antonelli will be happy to meet with you to discuss your schedule or career deliberations.
Most of all, your JABSOM faculty encourage you to look forward to enjoying the freedom of inquiry and learning that will advance and hone your diagnostic, clinical, intellectual and interpersonal/professional skills which IS your senior year.
University of Hawaii, John A. Burns School of Medicine  
Office of Student Affairs

IMPORTANT DATES FOR THE SENIOR YEAR

TBA by class officers  
(Feb/Mar, 2010)  
Participate in class lottery to select required senior year ER and Geri rotations.

February – March, 2010  
1) Register for Step 2 CK/CS exams on-line at NBME website  
https://external1.nbme.org/ciw2/prod/jsp/login.jsp

2) Meet with career advisor to map-out fourth year electives.

April 9, 2010 (tentative)  
Backup for Senior year elective sign up, 1:30pm – 3:30pm, 3rd Fl, MEB. You should have met with a career advisor to map out your electives prior to this date. Look for updates for possible Web-based sign up

April 28, 2010  
1) Deadline to make (add/drop) changes to senior electives

2) Starting May 1, our departments begin to place visiting students in unfilled slots on a first-come, first-served basis.

May 1, 2010  
1) JABSOM Departments begin offering unfilled elective slots to visiting senior medical students.

2) 2010-11 Directory of Graduate Medical Education Programs (“The Green Book”) available for all current third year students to review/check-out in OSA; information is online as FREIDA (find through CiM or ERAS website)

June 22-24, 2010  
Tentative. Fall 2010 pre-registration The following items must be submitted to OSA prior to pre-registration:

1) Senior Academic Schedule Form signed by career advisor;

2) TB clearance for 2010-11; Update to TDap (or Td) immunizations

3) Update BCLS if needed

Early July 2010  
ERAS ‘tokens’ IDs generated and distributed to seniors via e-mail. Token IDs are used to register for MyERAS. Once registered, seniors begin to work on residency applications.  http://www.aamc.org/students/eras/start.htm

July 6, 2010  
First day of senior year.

July 13, 2010  
Tent Fall ‘10 tuition & fee payment deadline for non-financial aid recipients.

July 10-11 & 17-18, 2010  
Required MDED 541 exam (Comprehensive Clinical Skills Exam)

July 8, 2010  
Seniors may begin setting up Medical Student Performance Evaluation (MSPE) meeting with Dr. Antonelli. Call OSA for an appointment 692-1000. Bring "draft" copy of CV and personal statement with you. Check to see that all of your third year evaluations are in OSA prior to scheduling.

Summer-Fall 2010  
Request residency information directly from programs or download info from the web (ERAS or CiM).
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
</table>
| Mid August 2010    | **1) Tentative.** Opening day for ERAS™ Post Office. http://www.aamc.org/students/eras/  
|                    | **2) Tentative.** Opening day for NRMP (www.nrmp.org) for MATCH 2011. |
| August 27, 2010    | Tentative. Fall ’10 tuition & fee payment deadline for financial aid recipients (applies to students who have accepted awards online, through the UHM Financial Aid Office). |
| September 1, 2010  | ERAS post office to begin transmitting applicant documents to programs. |
| Mid-September, 2010| NRMP Directory for the 2011 Match to be posted to the Web and updated weekly thereafter. |
| September 30, 2010 | Last appointment date to meet with Dr. Antonelli for MSPE meeting. |
| October, 2010      | Required MDED 541 exam (Comprehensive Clinical Skills Exam) for students who were not eligible to take it in July. Date TBA. |
| October 1, 2010    | Deadline to submit final copy of CV to OSA |
| October 12, 2010   | Deadline for submission of ERAS letters of recommendation to OSA. |
| November 01, 2010  | MSPE released to residency programs, nationally. |
| November 28-30, 2010| Tentative. Spring 2011 registration through OSA. Details TBA |
| November 30, 2010  | Tentative. Deadline to register for Match 2011 in order to avoid late fee. |
| December 12, 2010  | Fall Commencement |
| December 20, 2010 to Jan 05, 2011 | Winter Break |
| January, 2011      | AAMC Graduation Questionnaire available via AAMC website for students to complete. Each student is required to complete this questionnaire. E-mail notice will be sent. |
| January 15, 2011   | Tentative. Students begin to enter their Rank Order lists for Match 2011 via www.nrmp.org |
| January 15, 2011   | Tentative. Last day to file Application for Diploma form for UH Cashier’s Office. (Form will be sent to you via email from OSA). |
| February 23, 2011  | Tentative. **Deadline** to complete/submit Rank Order Lists via www.nrmp.org (9:00pm - EST). |
| March 14, 2011     | Tentative. Match results available via R-3 at www.nrmp.org |
| March 15-17, 2011  | Tentative. “Scramble” for unfilled positions. |
March 17 or 18, 2011  Tentative. MATCH Results released.
MATCH “Reception & Ceremony”, 6:30 am MEB

May 01, 2011  Deadline for completion of the 3 required autopsies

May 14 & 15, 2011  CONVOCATION / COMMENCEMENT

State/federal holidays listed may differ from hospital/ institution holidays -- check with respective clinical departments for those dates. Note also that a state/federal holiday does not automatically mean a "day off" - it is up to your preceptor/attending/course director.
WELL-BEING OF MEDICAL STUDENTS

At the John A. Burns School of Medicine, the health and wellness of our students is a primary concern. During the third year of medical school, clinical activities, extended hours on call, and the pressure of examinations may threaten the balance we’ve achieved in the first two years; the fourth year has the anxiety of USMLE residency selection and the MATCH, and anticipation of leaving the safety of medical school and colleagues for unknown horizons; these may lead to anxiety, depression, or difficulty with friends, family, students, and faculty.

Students and faculty have noted the following activities to be helpful in maintaining well-being:

- Talking frequently with other students, especially about stressful situations
- Talking with family
- Studying with others
- Taking an occasional break, like seeing a movie
- Seeing the humor in situations

There are certain signs and symptoms that may signal a problem with well-being:

- Anxiety that is preventing concentration or impairing clinical performance
- Persistent loss of motivation
- Loss of weight or appetite
- Increased tension with friends or family members
- Persistent sadness
- Substance/alcohol overuse

If you notice these in yourself or others, we want to help. Please contact us. Any of the following individuals or organizations would be happy to speak with you, confidentially:

- Mary Ann Antonelli, M.D. 692-1000
  Director of Student Affairs
- Coordinators of Senior Electives
  Jill Omori, M.D., Family Medicine
  Laurie Tam, M.D., Internal Medicine
  Mark Hiraoka, M.D., Ob/GYN
  Raul Rudoy, M.D., Pediatrics
  Junji Takeshita, M.D., Psychiatry
  Susan Steinemann, M.D., Surgery
- Your academic or career advisor
- University Health Services 956-8965
- Counseling and Student Development Center – JABSOM Services @Kaka’ako Call 956-7927

Your education, health, happiness and your careers are important to us.
Summary of Senior Year Graduation Requirements

1. A minimum of **35 curricular weeks AND 59 Credits** of Senior Courses must be earned in order to graduate. These requirements are further divided into:

<table>
<thead>
<tr>
<th>Course Designation</th>
<th>Course Title</th>
<th>Number of Weeks</th>
<th>Number of Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDED 541</td>
<td>Comprehensive Clinical Skills Exam</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SURG 541</td>
<td>Emergency Medicine Clerkship</td>
<td>4 weeks</td>
<td>6 Credits</td>
</tr>
<tr>
<td>GERI 541</td>
<td>Geriatrics and Palliative Medicine</td>
<td>4 weeks</td>
<td>6 Credits</td>
</tr>
<tr>
<td>MDED 564</td>
<td>Senior Seminars</td>
<td>3 weeks</td>
<td>4 Credits</td>
</tr>
<tr>
<td>MED 541</td>
<td>Advanced Medicine</td>
<td></td>
<td>6 Credits</td>
</tr>
<tr>
<td></td>
<td>Must be credited by 6 months prior to graduation (Department of Medicine requirement)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PATH 541</td>
<td>Pathology Practicum/Autopsy Experience</td>
<td></td>
<td>1 Credit</td>
</tr>
<tr>
<td>545/546 Courses:</td>
<td>Elective courses **</td>
<td>24 weeks</td>
<td>36 Credits</td>
</tr>
<tr>
<td></td>
<td>TOTALS</td>
<td>35 weeks</td>
<td>59 Credits</td>
</tr>
</tbody>
</table>

A total of 28 elective weeks (42 Credits) ARE required to meet the 35 curricular weeks and 59 credits.

** A Third Year elective may be used to meet the Elective requirements in the senior academic year, i.e.:

- SURG 545M (Radiology) 2 weeks (3 Credits) or PATH 545 C or D (Anatomic or Clinical Path) 2 weeks (3 Credits)

2. **Students must successfully complete USMLE Step 2 CK and Step 2 CS in order to qualify to graduate.**

You are required to take these exams before December 31st of your senior year.

However, **Step 2 CK should be taken before October** to have the grade available for residency applications.

It is taking up to 16 weeks for Step 2 CS results to be released, so to fulfill requirements for graduation, the exam must be taken by December 31st, but earlier is best on the chance that it will need to be retaken. Scheduling for the limited number of slots for this exam make it IMPERATIVE that you sign up as early as possible.

3. **Students must pass the Clinical Skills Assessment (MDED 541), usually taken in July following the 3rd year clerkships, in order to qualify to graduate.**
### 2010-2011 Career Advisors

Each student must select a designated career advisor (related to his/her specialty preference) who will be responsible for reviewing and approving his/her senior schedule and providing career counseling. Students who are unsure of their career preference may be assigned an advisor through the Office of Student Affairs by calling 692-1000.

<table>
<thead>
<tr>
<th>Specialty</th>
<th>Advisor</th>
<th>Phone</th>
<th>E-Mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anesthesiology</td>
<td>Dr. Alan Britten</td>
<td>363-1000</td>
<td><a href="mailto:alanbritten@hawaii.rr.com">alanbritten@hawaii.rr.com</a></td>
</tr>
<tr>
<td></td>
<td>Dr. Maimona Ghows</td>
<td>532-3600/696-7790</td>
<td><a href="mailto:ghowsm001@hawaii.rr.com">ghowsm001@hawaii.rr.com</a></td>
</tr>
<tr>
<td>Dermatology</td>
<td>Dr. Allan Izumi</td>
<td>599-3780</td>
<td></td>
</tr>
<tr>
<td>Emergency Medicine</td>
<td>Dr. Cathy Oliver</td>
<td></td>
<td><a href="mailto:cjoliver@hawaii.edu">cjoliver@hawaii.edu</a></td>
</tr>
<tr>
<td>Family Medicine</td>
<td>Dr. Damon Lee</td>
<td>627-3235</td>
<td><a href="mailto:damonlee@hawaii.edu">damonlee@hawaii.edu</a></td>
</tr>
<tr>
<td></td>
<td>Dr. Jill Omori</td>
<td>692-0932</td>
<td><a href="mailto:jill.omori@hawaii.edu">jill.omori@hawaii.edu</a></td>
</tr>
<tr>
<td>General Surgery</td>
<td>Dr. Nancy Furumoto</td>
<td>536-5811</td>
<td><a href="mailto:furumoto@hawaii.edu">furumoto@hawaii.edu</a></td>
</tr>
<tr>
<td></td>
<td>Dr. Susan Steinemann</td>
<td>586-2922</td>
<td><a href="mailto:steine@hawaii.edu">steine@hawaii.edu</a></td>
</tr>
<tr>
<td></td>
<td>Chair, Dr. Danny Takanishi</td>
<td>586-2920</td>
<td><a href="mailto:dtakanis@hawaii.edu">dtakanis@hawaii.edu</a></td>
</tr>
<tr>
<td>Geriatrics</td>
<td>Dr. Kamal Masaki</td>
<td>523-8461</td>
<td><a href="mailto:km1@hawaii.rr.com">km1@hawaii.rr.com</a></td>
</tr>
<tr>
<td>Internal Medicine</td>
<td>Dr. Fritzi Igno</td>
<td></td>
<td><a href="mailto:figno@queens.org">figno@queens.org</a></td>
</tr>
<tr>
<td></td>
<td>Dr. Emilio Ganitano</td>
<td>578-0011</td>
<td><a href="mailto:eganitanomd@yahoo.com">eganitanomd@yahoo.com</a></td>
</tr>
<tr>
<td></td>
<td>Dr. Irwin Schatz</td>
<td>586-2910</td>
<td><a href="mailto:schatzi@hawaii.edu">schatzi@hawaii.edu</a></td>
</tr>
<tr>
<td></td>
<td>Dr. Bruce Soll</td>
<td>547-4966</td>
<td><a href="mailto:bsoll@queens.org">bsoll@queens.org</a></td>
</tr>
<tr>
<td></td>
<td>Dr. Laurie Tam</td>
<td>586-7460</td>
<td></td>
</tr>
<tr>
<td>Neurology-Adult</td>
<td>Dr. Melvin Yee</td>
<td>523-5885</td>
<td><a href="mailto:melviny@hawaii.edu">melviny@hawaii.edu</a></td>
</tr>
<tr>
<td>Obstetrics/Gynecology</td>
<td>Dr. Tod Aeby</td>
<td>203-6519</td>
<td><a href="mailto:aeby@hawaii.edu">aeby@hawaii.edu</a></td>
</tr>
<tr>
<td></td>
<td>Dr. Mark Hiraoka</td>
<td>203-6506</td>
<td><a href="mailto:hiraokam@hawaii.edu">hiraokam@hawaii.edu</a></td>
</tr>
<tr>
<td></td>
<td>Dr. Roy Nakayama</td>
<td>203-6515</td>
<td><a href="mailto:makayam@hawaii.edu">makayam@hawaii.edu</a></td>
</tr>
<tr>
<td>Ophthalmology</td>
<td>Dr. Malcolm Ing</td>
<td>955-5951</td>
<td></td>
</tr>
<tr>
<td>Orthopedic Surgery</td>
<td>Dr. Robert Atkinson</td>
<td></td>
<td><a href="mailto:robotkinson69@yahoo.com">robotkinson69@yahoo.com</a></td>
</tr>
<tr>
<td>Pathology</td>
<td>Dr. Peter Bryant-Greenwood</td>
<td>692-1130</td>
<td><a href="mailto:peterbg@hawaii.edu">peterbg@hawaii.edu</a></td>
</tr>
<tr>
<td>Pediatrics</td>
<td>Dr. D. Chris Derauf</td>
<td>983-8387</td>
<td><a href="mailto:chrisd@kapiolani.org">chrisd@kapiolani.org</a></td>
</tr>
<tr>
<td></td>
<td>Dr. Raul Rudoy</td>
<td>983-8387</td>
<td><a href="mailto:rrudoy@hawaii.edu">rrudoy@hawaii.edu</a></td>
</tr>
<tr>
<td>Psychiatry &amp; Triple Boards</td>
<td>Dr. Daniel Alicata</td>
<td>586-2900</td>
<td><a href="mailto:alicatad@dop.hawaii.edu">alicatad@dop.hawaii.edu</a></td>
</tr>
<tr>
<td>(Peds/Psych/Child&amp;Adol Psych)</td>
<td>Dr. Anthony Guerrero</td>
<td>586-2900/272-1185</td>
<td><a href="mailto:guerreroa@dop.hawaii.edu">guerreroa@dop.hawaii.edu</a></td>
</tr>
<tr>
<td></td>
<td>Dr. Junji Takeshita</td>
<td>586-2900/272-1160</td>
<td><a href="mailto:takeshitaj@dop.hawaii.edu">takeshitaj@dop.hawaii.edu</a></td>
</tr>
<tr>
<td>Radiology</td>
<td>Dr. Hyo-Chun Yoon (Kaiser-Moanalua)</td>
<td>571-0032/432-7342</td>
<td><a href="mailto:Hyo-Chun.Yoon@kp.org">Hyo-Chun.Yoon@kp.org</a> or <a href="mailto:chun.yoon@hsc.utah.edu">chun.yoon@hsc.utah.edu</a></td>
</tr>
<tr>
<td>Surgery Critical Care</td>
<td>Dr. Susan Steinemann</td>
<td>586-2922</td>
<td><a href="mailto:steine@hawaii.edu">steine@hawaii.edu</a></td>
</tr>
<tr>
<td></td>
<td>Dr. Danny Takanishi</td>
<td>586-2920</td>
<td><a href="mailto:dtakanis@hawaii.edu">dtakanis@hawaii.edu</a></td>
</tr>
</tbody>
</table>

See list (next page) of surgical subspecialty advisors

A career advisor’s signature indicating approval of a student’s “proposed” schedule must be affixed to the student's senior academic schedule form and submitted to OSA prior to student’s fall course registration (June, 2010). Any revisions thereafter should be reviewed with career advisor.

Rev. 1/13/10
SURGICAL SPECIALTIES

IF YOU EXPERIENCE DIFFICULTY REACHING THE FACULTY ADVISOR IN THE FOLLOWING SUBSPECIALTIES, PLEASE CONTACT DR. SUSAN STEINEMANN (steine@hawaii.edu, office: 586-2922, pager: 530-0869).

Anesthesiology
Dr. Maimona Ghow
ghowsm001@hawaii.rr.com
Office: 532-3600
Pager: 696-7790
3-4 years.
132 programs.
Fairly competitive (see www.grogono.com/nrmp).
Current nationwide shortage of anesthesiologists, worse in Hawaii due to cost of living/reimbursement, shortage expected to continue another 10 years.

Cardiothoracic Surgery
Dr. Carlos Moreno-Cabral
cemoreno@aol.com
Office: 524-5980
2-3 year fellowship after general surgery residency.
90 programs.
Very competitive.
Honolulu, like most desirable urban areas, is fully saturated with CT surgeons. Neighbor islands probably lack the population base to support a full-time CT surgeon.

Colorectal Surgery
See contacts under “General Surgery”
1 year fellowship following general surgery.
35 programs.

(Surgical) Critical Care
See contacts under “General Surgery”
1-2 year fellowship following general surgery residency.
Often paired with trauma or research fellowship.
67 programs.
We have a fellowship here, Director – Dr. Mihae Yu. Practice opportunities good.

Emergency Medicine
Dr. Cathy Oliver
cjoliver@hawaii.edu
3-4 years.
Very competitive.

General Surgery
Dr. Susan Steinemann
steine@hawaii.edu
Office: 586-2922
Dr. Nancy Furumoto
furumoto@hawaii.edu
Chairman – Dr. Danny Takanishi
dtakanis@hawaii.edu
Office: 586-2920
Hand Surgery
See contacts under “General Surgery”
1 year fellowship following general surgery, orthopedic surgery, or plastic surgery.

Neurosurgery
Dr. William Obana
Office: 523-9993
5 years.
94 programs.

Ophthalmology
Dr. Malcolm Ing
Office: 955-5951
3 years + internship.
123 programs.
Extremely competitive.
Best practice opportunities is plastic ophthalmic/orbital disease, oversupplied in retinal specialists, corneal disease, refractive surgery.
Orthopedic Surgery
Dr. Robert Atkinson
robatkinson69@yahoo.com
5 years.
152 programs.
Extremely competitive, 90 applicants per position.
Hawaii fairly saturated, but predicted shortage of orthopedic surgeons nationwide.

Otolaryngology
Dr. Larry Burgess
lburgess@hawaii.edu
Office: 692-1091
2 years general surgery + 4 years (including research year) otolaryngology, usually at the same institution.
103 programs.
Very competitive. Act early. Do at least one subinternship.
Research/publications helpful.
Practice opportunities are good and should continue to be so both locally and nationwide.

Pediatric Surgery
Dr. Sidney Johnson
sidney.johnson@kapiolani.org
Office: 983-6210
2 year fellowship following general surgery residency.
30 programs.
Extremely competitive. 1-2 years of research during general surgery residency is almost mandatory.
Practice opportunities: one pediatric surgeon per 300,000-500,000 populations. (Honolulu has 3 surgeons).

Plastic Surgery
Dr. F. Don Parsa
Office: 526-0303
Majority of programs integrate general (3+ years) and plastic surgery residency for a total of a 5-7 year program. May enter directly out of medical school. Also can enter a 2-3 year fellowship following completion of general surgery residency.
88 programs.
Very competitive.
Practice opportunities in Hawaii similar to the mainland, expected to be good.

Radiation Oncology
Dr. John Lederer
jlederer@queens.org
4 years + internship.
Very competitive.
80 positions per year, 500 applicants.
Practice opportunities tight here, only 12 rad oncs in Hawaii and a couple Hawaiians currently in training who will likely return.

Radiology
Dr. Hyo-Chun Yoon (Kaiser Permanente Moanalua)
Pager: 571-0032
Dr. Kevin Kon
4 years + internship year. Most continue on to a 1-3 year fellowship (e.g., interventional radiology).
192 programs.
Extremely competitive, 4-10 qualified applicants per spot.
Practice opportunities good in Hawaii for university program grads, specific skills may be desirable for a given practice site. Demand for radiologists nationwide expected to increase for next 5-8 years.

Urology
Dr. D. Gary Lattimer
Office: 537-5445
2 years general surgery + 4 years urology.
121 programs.
Fairly competitive, about 25 applicants for each position.
Practice opportunities in 10 years in Hawaii should be good, as some urologists will be retiring.

(Peripheral) Vascular Surgery
Dr. Harvey Takaki or Dr. Russell Harada
Office: 524-5980; Fax: 526-0317
2 year fellowship after general surgery residency.
87 programs.
Fairly competitive in the past, but a recent decline in the number of applicants. Practice opportunities are good in Hawaii due to the high rate of diabetes and atherosclerotic disease. Complexity of practice may change due to increased use of interventional technique (stents) by radiologists as well as vascular surgeons.
REQUIRED COURSE: ADVANCED MEDICINE

I. Description

Title: MED 541 Advanced Medicine
Department: MEDICINE
Pre-requisite: MED 531/532

MED 541 is a level of competence in Internal Medicine. It is not an actual course.

In order to graduate from JABSOM, students must earn credit for MED 541 Advanced Medicine by demonstrating R level competency (the level of competence necessary to start any residency) in each of the three domains of Medical Knowledge, Clinical Skills and Professionalism by December 31 of their senior year.

If not accomplished by the end of the Third-Year Medicine Clerkship (MED 531/532), students may be required to demonstrate R level competency by satisfactorily completing a 4th year Medicine elective selected by the Department of Medicine Student Education Committee or by satisfactorily retaking an exam.
I. Description

Title: MDED 541 Clinical Skills Assessment  
Department: Office of Medical Education  
Pre-requisite: FMCH, MED, OBGN, PED, PSTY, SURG 531 or 532  
Location: Center for Clinical Skills (CCS)

MDED 541 is not a specific course; it is a level of competence in Clinical Skills. All students are required to successfully complete MDED 541, the Comprehensive Clinical Examination (CCE), in order to graduate. This examination is a practical examination of student's clinical skills utilizing standardized patients. The clinical cases selected to fill the test blueprint emphasize "patient-centered" physician activities (communication, history taking, physical examination, interpersonal skills) in clinical situations (illnesses that are acute/limited, chronic, emotional/behavioral, emergent, ill-defined, or grave and well-care), which are common, important, and relevant to a primary care generalist's practice. The skills tested reflect competencies expected of a graduating medical student.

Students who successfully complete all third year clerkships will be assigned on one of the following dates:

- Saturday, July 10, 2010  
- Sunday, July 11, 2010  
- Saturday, July 17, 2010  
- Sunday, July 18, 2010
REQUIRED COURSE: EMERGENCY MEDICINE

I. Description:

Title: SURG 541 Emergency Medicine
Department: Surgery
Pre-Requisites: 4th year status; ACLS before clerkship highly encouraged
Duration: 4 weeks; Available all blocks except Blocks G & K
Number of Students: All 4th year students
Locations: Castle Medical Center (Dr. Will Scruggs)
          Kaiser Medical Center (Dr. Saba Saleh-Russell)
          Kapiolani Med. Ctr. at Pali Momi (Dr. Jason Fleming)
          Kuakini Medical Center (Dr. Myo Nwe)
          The Queen’s Medical Center (Dr. Chris Ganir & Dr. Jenefer Oyama)
          Straub Clinic & Hospital (Dr. Jennifer Ping)
          Tripler Army Medical Center (Dr. Christopher Yao)
          Wahiawa General Hospital (Dr. Kendrick Lee)
Program Directors: Dr. Cathy Oliver
                  Dr. Andy Schwartz

II. Objectives:

1. Understand the basic principles of emergency medical care.

2. Be exposed to a wide variety of acute illnesses and injuries and learn about the priorities in caring for these patients.

3. Be exposed a broad spectrum of patients in the community and problems unique to emergency physicians.

4. Understand the role of the ED physician and recognize the need for efficient medical screening exams and stabilizing treatment.

5. Develop the ability to perform a focused history and physical exam, and selective ordering of diagnostic tests to maximize efficiency in assessment.

6. Have an opportunity to apply learned clinical skills to acute ED patients including cardiopulmonary resuscitation, interpretation of EKG’s and X-rays, and various surgical procedures such as suturing, venipuncture, lumbar puncture, etc.

III. Method:

Students are required to:

1. Evaluate patients in the ED on a schedule agreeable to the preceptor and under supervision of attending emergency physicians. These must include patients with the following specific diagnoses (as a minimum):

   a. Chest pain
   b. SOB
   c. Abdominal Pain
   d. Altered Mental Status
   e. Syncope
   f. Trauma
2. Present a brief pertinent synopsis of each case to an attending physician.

3. Attend designated didactic sessions including lectures on the core curriculum and clinical skills workshops scheduled by the program directors.

4. Study selected reading materials related to the core curriculum in Emergency Medicine.

5. Maintain a log of patients treated during the rotation.

6. Pass a written final exam. If the student should fail on first attempt they will have one additional opportunity to pass written exam.

Students may be asked to participate in ongoing research projects in the department. They may also have the opportunity to participate in other related but optional activities including:

- Advanced Cardiac Life Support course
- Hyperbaric Medicine course
- Emergency Medical Services (EMS) Ambulance Ride-Along program

IV. Evaluation:

Each student shall be evaluated by their preceptor or other designated attending physician in their ED at the end of the rotation. Students will be responsible to insure that an evaluation is completed and submitted by their preceptor or designee. The students shall also review a mid-course reflection form (about 2 weeks after starting the rotation) with their preceptor to monitor their progress. The students shall complete anonymous faculty evaluation(s) on any or all of the attending physicians worked with during the rotation as well as an evaluation of the rotation itself.
I. DESCRIPTION:

Title: GERI 541 Geriatric & Palliative Medicine
Department: Geriatric Medicine
Number of Students: 4-9 per block
Duration: 4 weeks
Location: Kuakini Medical Center (Hale Pulama Mau, 9th floor)
Address: 347 N. Kuakini Street, HPM-9, Honolulu, HI 96817
Telephone: 523-8461
Faculty Coordinator: Aida Wen, MD
Administrator: Misty Yee, MS

II. OBJECTIVES

Students should have a good understanding of both Geriatric Medicine and Palliative Care. The Curriculum for Geri 541, which is aligned with the JABSOM Graduation Objectives, emphasizes the development of competence and excellence in the knowledge, skills, and professional habits necessary for the care of our elderly in outpatient, inpatient, home care, nursing home and end-of-life settings.

1. Life-Long Learning Skills
Graduates will be life-long learners.

*Following patient care interactions, or in anticipation of future learning needs, students will be life-long learners by:*

- Searching for and retrieving (from electronic databases and other resources) biomedical and psychosocial information, critically appraising this information, and applying it appropriately to patients and populations (self-directed learning).
- Identifying and managing a personal learning agenda, learning from clinical experience, and recognizing the need for life-long learning in the care of older people, the seriously, chronically, and terminally ill.

2. Biological Sciences
Graduates will understand the biological sciences underlying clinical medicine.

*Students will apply the biological sciences to the practice of medicine by:*

- Stating differences between chronological aging, physiologic aging and disease, and applying knowledge of basic sciences to clinical situations.
- Stating the principles of pharmacology in older people: appropriateness, dosing, adverse effects, interactions, compliance, costs, errors, etc., and applying them to clinical practice.

3. Patient Care
Graduates will be able to care for their patients under the supervision of faculty.

*When seeing a patient in the Geriatrics and Palliative Care Medicine rotation, students will be able to care for that patient by:*

- Approaching each patient with an awareness and sensitivity to the impact their age, gender, culture, spiritual beliefs, socioeconomic background, family support, sexuality, healthcare beliefs, and other non-biological determinants of health may have on the development, diagnosis, and treatment of their illness.
- Ability to gather accurate information, perform a detailed physical exam, order appropriate diagnostic tests, and develop a therapeutic plan by applying clinical reasoning, critical thinking and problem-solving skills.
- Diagnosing and treating the major medical and psychiatric illnesses of late life, managing complexity associated with multiple illnesses, evaluating atypical presentations of illness and
geriatric syndromes, identifying iatrogenesis and medication side effects in older and seriously ill patients.

- Providing a comprehensive geriatric patient assessment, including medical, psychiatric, cognitive, functional and social aspects. (including mental status assessment and screening for depression)
- Identifying goals of care and stating the value of non-curative interventions such as improving functional status, symptoms, and quality of life.
- Performing a basic spiritual assessment, and assessing and managing pain and non-pain symptoms at the end of life.
- Managing care when a patient is actively dying, completing death pronouncement, and managing grief and bereavement.

4. Oral and Written Communication Skills
Graduates will be able to communicate effectively with patients, families and other healthcare providers.

**When in a classroom, clinical, or other healthcare setting, students will communicate effectively with others by:**

- Using the four habits model, stating the principles of relationship-based communication, listening actively to patients, family members, caregivers, other healthcare workers and the medical team, and educating them about health conditions.
- Conducting a family conference, identifying and responding proactively to conflict.
- Sharing bad news effectively and compassionately, discussing advance directives and care planning, nutrition and hydration.
- Orally presenting cases clearly and concisely.
- Writing legible, comprehensive progress notes, history and physical exams, and prescriptions.

5. Populational and Community Health
Graduates will appreciate the epidemiology of disease and the role of the physician in public health and global health issues important to Hawaii and the Asia-Pacific region.

**When communicating with others in the clinical setting, students will appreciate the epidemiology of disease and the role of the physician in populational and community health by:**

- Stating the social, demographic, cultural and economic issues associated with chronic and terminal illness in the elderly population, including sources of healthcare financing.
- Stating the recommendations for health maintenance in older patients.
- Explaining dying trajectories and the challenges of prognostication, and stating the philosophies and delivery of hospice and palliative care.

6. Professionalism
Graduates will be professional and ethical, demonstrate an enthusiasm for medicine, and value honor, integrity, altruism, respect, accountability, excellence, scholarship, and leadership while delivering compassionate care to their patients.

**Students will exhibit the highest standards of professional and ethical behavior in the context of Geriatrics and Palliative Care Medicine by:**

- Identifying and addressing personal attitudes regarding aging, chronic illness and death, showing respect for older patients with serious chronic illness, with a focus on patient dignity and patient confidentiality.
- Active engagement in the interdisciplinary process of care, showing respect for others, honesty, integrity and an absence of arrogance, rudeness and coercion in all interactions with patients, their families, and other healthcare workers.
- Demonstrating self-motivation, interest and initiative, and a professional appearance.
- Applying self awareness and personal insight as the core of one’s integrity and professionalism, and actively seeking and humbly accepting feedback.
• Being punctual and completing assignments, duties, surveys, forms, and other school and professional requirements on a timely basis.
• Completing assignments carefully and accurately as instructed.

7. **Personal Health and Well-Being**

Graduates will maintain personal health and well-being.

*Students will maintain their personal health and well-being by:*

• Recognizing the importance of balancing personal, family and career goals, and stating strategies to maintain personal physical and mental health.

III. **METHODS:**

This four-week rotation provides medical students with a balanced overview of Geriatric and Palliative Medicine in the outpatient, inpatient, home care and nursing home settings. A variety of instructional methods will be utilized, including clinical experiences and didactic sessions. The clinical placements for the Geriatric Medicine experiences will be provided at several teaching sites including Kuakini Medical Center, Leahi Outpatient Geriatrics Clinic, The Queen’s Medical Center, the VA, and several nursing homes on Oahu. The clinical experiences for the Palliative Medicine experience will be provided at Bristol Hospice, Hospice Hawaii, Islands Hospice, Kokua Kalihi Valley Palliative Service, the Pain & Symptom Management Program at The Queen’s Medical Center, The Queen’s Medical Center Home Care Service, St. Francis Hospice, St. Francis Palliative Service, and Straub Palliative Service. Students will receive one half-day per week of Geriatric Medicine seminars covering core geriatric topics and one half-day per week of Palliative Medicine seminars.

IV. **EVALUATION:**

Students should have a good understanding of both Geriatric Medicine and Palliative Care. Evaluation criteria, which are aligned with the JABSOM Graduation Objectives, include life-long learning skills, biological science knowledge, patient care, oral and written communication skills, populational and community health knowledge, professionalism, and personal health and well-being skills. Students are required to pass both clinical skills and written exams.
I. Description

Title: PATH 541 Pathology Practicum
Department: PATHOLOGY
Pre-requisite: Third and fourth year standing
Duration: To be completed by the middle of the fourth year
Number of Students: All third and fourth year students
Location: All major community hospitals affiliated with the medical school.
Program Director: Peter Bryant-Greenwood, M.D.

Direct inquiries to: Jean Chee
Medical Education Building, Room 401
Kaka‘ako Campus
Ph: 692-1130

II. Objectives:

To provide that each student attend one complete autopsy by the middle of the fourth year of medical school, involving both dissection and microscopic examinations of tissues and detailed evaluation of disease processes.

III. Method:

In one autopsy, student will participate with dissection, review and evaluation of the microscopic slides and other relevant studies with the attending pathologist. Cases should be selected from patients followed by students on one of the clinical clerkships.

IV. Evaluation

Credit will be given upon submission of the statements, signed by the attending pathologists. These statements attest that the student has participated in the dissection and evaluation of one autopsy. No examinations will be given.
PATHOLOGY 541 - AUTOPSY EXPERIENCE

Each medical student is required to attend a minimum of three autopsies by May 1 of the fourth year of medical school. One complete autopsy examination must include the dissection, review and evaluation of microscopic slides and other relevant studies, i.e., radiologic films; the remainder may be gross examinations. Credit for the autopsy experiences will be granted only after completion of PBL Unit 5. Normally, cases should be selected from patients followed by the student on a clinical clerkship. No credit will be given for attendance at stillborn necropsies unless the attending pathologist deems the case a good teaching case. Credit for autopsies will be granted after receipt of the three completed forms. Each form must be signed by the student and the pathology resident and/or the attending pathologist. Forward each completed form to the Department of Pathology ATTN: Jean Chee, Medical Education Building 4th Floor, 651 Iilalo Street, Honolulu, HI 96813. Telephone 692-1130.

The student must individually arrange attendance and participation in an autopsy with the pathology resident and/or attending staff pathologist performing the autopsy.

GROSS EXAMINATION

___________________ on ______________________ at ___________________________________
(Autopsy Number) (Date) (Medical Facility)

LIST: 1. Major and minor gross diagnoses in order of importance.

_____________________________________________
_____________________________________________
_____________________________________________

2. Cause of death:

_____________________________________________
_____________________________________________

SIGNATURES:

_________________________ ______________________________________________
(Print Name/Signature of Student) (Print Name/Signature of Pathology Resident or Attending Pathologist)

MICROSCOPIC EXAMINATION

____________________viewed the microscopic slides and other relevant material from the above autopsy on ________________
(Name of Student) (Date)

SIGNATURES:

_________________________ ______________________________________________
(Print Name/Signature of Student) (Print Name/Signature of Pathology Resident or Attending Pathologist)
REQUIRED COURSE: SENIOR SEMINARS

I. Description

Title: MDED 564  Senior Seminars
Department: Interdisciplinary, all clinical
Pre-requisite: 4th year status
Duration: 3 weeks; Block K
Number of Students: All 4th year medical students
Location: See Schedule published in Spring of year
Program Coordinator: Damon Sakai, M.D.

II. Objectives

Review of issues and subjects intended to strengthen skills in art of medicine. Focus includes medical topics, personal development and transition to residency, and include items such as medical malpractice, emerging infections, economics of health care, personal finance and loans, forensic medicine (death certificates), “Internship 101.”

Within the venue of this course, seniors will reflect on the knowledge, attitudes and skills that has marked their tremendous growth as physicians; they will share special knowledge and skills with their classmates, and come together to reflect on that special bond as a class, prior to continuing with their medical careers.

III. Method

Three week course involving daily morning lectures, interactive learning opportunities, large and small group discussions and demonstrations. Time will be allowed for a class project.

IV. Evaluation

Attendance and participation is mandatory
I. Descriptive Information

Title: MDED 545-C  Complementary and Alternative Medicine
Department: Complementary & Alternative Medicine
Pre-requisite: FPCH, MED, OBGN, PED, PSTY, SURG 531 or 532
Duration: 4 weeks
Number of Students: 1-5 per rotation
Location(s): Various locations as per course director
Program Director or Coordinator: Rosanne Harrigan, Ed.D., APRN-Rx

II. Objectives

This elective provides a review of evidenced-based theory and research approaches to complementary care practices as integrated with allopathic medicine. Appropriate for all medical students interested in traditional, complementary and integrative approaches to primary acute and tertiary care.

At the completion of the course, the student will be able to:

1. Identify the consumer movement and cultural/social phenomena operating in health care relative to complementary and alternative therapies.

2. Identify cultural/ethnic traditions related to indigenous health care systems.

3. Analyze the mind/body/spiritual connection in relationship to complementary and integrative care.

4. Evaluate different theories and systems approaches to complementary and integrative care.

5. Experience and/or apply various mind/body/spiritual approaches to complementary and integrative care.

6. Identify practice and research implications of complementary and integrative modalities.

III. Method

The inquiry-based method is utilized to maximize student learning through seminars, guest speakers, and class discussion. Various teaching/learning, audio-visual and experiential modalities are used to foster students’ awareness and ability.

IV. Evaluation

1. Weekly critique of research or peer-reviewed journal articles relevant to class content (14 articles required).

2. Journal writing based upon personal probing of mind/body/spiritual issues as revealed in dreams, clinical experiences, lifestyle practices, your environment, and self-revelation. Some of the entries should be used to record your experiences of meditation as practiced for 15 minutes per day for the course.
3. Group project/paper based on therapies chosen from the 5 National Center for Complementary and Alternative Medicine domains of Complementary and Alternative Medicine designated for research study. The project will include analysis and synthesis of a systematic review of current theory/research, site visits, and case studies which integrate CAM and standard medical care.

4. In-class sharing of two visits by student to two different complementary therapy practitioners as either client or observer. These sessions are to be arranged individually by each student allowing his/her choice of practitioner.
I. **Descriptive Information**

**Title:** FPCH 545-B Primary Care Preceptorship  
**Department:** FAMILY MEDICINE AND COMMUNITY HEALTH  
**Pre-requisite:** 4th year medical student status  
**Duration:** 4 - 8 weeks; H.O.M.E. Clinic site is equivalent to a 4-week elective  
**Number of Students:** Dependent upon site; Limit for H.O.M.E. Clinic site is 12 students  
**Locations:** 6 Hawaiian Islands, Micronesia, American Samoa, Guam, Saipan, Marshall Islands, Hawaii H.O.M.E. Project Homeless Clinics, other medically underserved areas  
**Program Coordinator:** Jill Omori, M.D.

II. **Objectives**

Program permits student to gain first hand experience of primary care by working in close contact with a Family physician.

Specific objectives for H.O.M.E. Clinic site:

1. Provide students with the opportunity to provide acute and chronic medical care to the homeless population in our community.

2. Students will learn particular aspects of care specific to caring for this underserved population.

3. Students will expand their learning in regards to community resources for this population and how to integrate these resources into their medical care.

4. Students will learn about the team approach to caring for this population and participate in team meetings/discussions.

III. **Method**

Instructional program includes maximum possible patient care responsibility commensurate with student ability, full-time attendance, with preceptor, of all conferences, lectures, daily bedside care, hospital admissions, emergencies, etc., that comprise the preceptor's practice.

For the H.O.M.E. Clinic site,

1. Students will serve as primary providers in the student-run homeless clinics under the supervision of faculty physicians.

2. This is a longitudinal elective that is carried out throughout the 4th year.

3. Students must attend at least 25 clinic sessions throughout their 4th year.

4. Students must attend an orientation session at the beginning of their 4th year.

5. Students will participate in team meetings/discussions regarding specific patients.

6. Students will help to mentor first and second year medical students seeing patients in the clinics.
7. Students will present a minimum of two 15 minute teaching topics regarding issues in caring for the homeless throughout the year at the provider meetings which are held prior to each clinic.

8. Students will submit an essay at the end of the 4th year describing their experience in the elective and what they learned from the experience.

IV. Evaluation

Preceptor reports by evaluation form to preceptorship director. Reception of evaluation form is necessary for course credit to be given. Credit/No Credit Course.

For the H.O.M.E. Clinic site:

1. Observational evaluation by the supervising faculty physicians to assess the student’s knowledge, attitudes, and skills.

2. Students must attend at least 25 clinic sessions, complete their two teaching topics, and submit their essay to obtain credit for this elective.
TOPICS IN COMMUNITY HEALTH

I. Descriptive Information

Title: FPCH 545-C Topics in Community Health
Department: FAMILY MEDICINE AND COMMUNITY HEALTH
Pre-requisite: 4th year medical student status
Duration: 4-8 weeks, available all blocks
Number of Students: Optional
Program: Study of selected topics in the field of Community Health
Location: Physicians' offices; assorted Community Health facilities.
Program Coordinator: Jill Omori, M.D.

II. Objectives

To allow further experience and flexibility in studies within the field of Primary Care and Community Health.

III. Method

Though usually pursued under the direction of a Primary Care practitioner, the course is intentionally flexible in order to allow students to work in other Community Health fields as well. All students must submit an abstract of their proposal prior to starting this elective and identify a primary advisor who will be responsible for their evaluation.

IV. Evaluation

An evaluation of the student is required from the project advisor at the close of the elective. The student also provides the program coordinator with a written summary of research. Credit/No Credit Course.
I. Descriptive Information

Title: FPCH 545-D Sub-Internship in Family Medicine
Department: FAMILY MEDICINE AND COMMUNITY HEALTH
Pre-requisite: 4th Year Medical Student Status
Duration: 4 weeks
Number of Students: Maximum of 2 students at a time at Wahiawa General Hospital
Location: Wahiawa General Hospital
Program Director or Coordinator: Jill Omori, M.D.

II. Objectives

The overall objectives of the sub-internship are to give students opportunities to have experiences which will closely simulate that which (s)he might have as 1st year residents. Specifically, by the time a student has completed this sub-internship, (S)he will be able to:

1. Do a complete and concise history and physical examination on patients admitted to a hospital, which would serve as the main history and physical examination in that patient's record.
2. Write a set of orders, which would be appropriate for the patient's illness.
3. Follow the patient throughout his hospitalization and write appropriate problem-oriented progress notes describing that patient's care.
4. Make necessary plans for discharge and follow-up of the patient after his hospitalization.
5. Be familiar with procedures which would be appropriate to the level of a 1st year Family Medicine resident.

III. Method

Students will be allowed to enter the sub-internship who have demonstrated readiness to take on the responsibilities of the 1st year resident. He/she will be directly responsible to the 2nd or 3rd year resident. Work rounds, teaching rounds, lectures and conferences in keeping with 1st level resident program will be provided. This patient care program will include rotational night call and weekend duties under supervision of the level 2 or 3 resident to whom the student is assigned.

IV. Evaluation

Evaluation reports are obtained from attending physicians and residents who supervise the student during the Family Medicine Inpatient Service. All reports must be received before credit can be given for the course. Credit/No Credit Course.
I. Descriptive Information

Title: FPCH 545-E Extramural Elective in Family Medicine and Community Health
Department: FAMILY MEDICINE AND COMMUNITY HEALTH
Pre-requisite: 4th year medical student status, pre-approval by program director is necessary.
Duration: 4 weeks
Number of Students: varies
Location: Outside of Hawaii
Program Director or Coordinator: Jill Omori, M.D.

II. Objectives

The overall objective is to provide students the ability to take a rotation content or format of
which is not covered by 545B, C, D, or F.

III. Method

Varies according to desired outcomes of the rotation.

IV. Evaluation

Preceptor/Supervisor reports by evaluation form to the Program Director. Reception of
evaluation form is necessary for course credit to be given. Credit/No Credit Course.
SPORTS MEDICINE PRECEPTORSHIP

I. Descriptive Information

Title: FPCH 545-F  Sports Medicine Preceptorship
Department: FAMILY MEDICINE AND COMMUNITY HEALTH
Pre-requisite: 4th year medical student status, pre-participation essay submitted to Andrew Nichols, M.D.
Duration: 4 weeks
Number of Students: Only offered during specific blocks
Locations: Dr. Andrew Nichols’ office, UH Manoa, others
Program Coordinator: Jill Omori, M.D.

II. Objectives

To allow further experience and studies with the field of Primary Care Sports Medicine. The elective includes exposure to sports medicine clinic, primary care clinic, university athletics room, collegiate sports medical coverage, sports physical therapy, and requires a review paper on a sports medicine topic.

III. Method

Full time attendance with a Board Certified Family Physician who has a Certificate of Added Qualification in Primary Care Sports Medicine that has been approved by the preceptorship director.

IV. Evaluation

Preceptor reports by evaluation form to preceptorship director. Reception of evaluation form is necessary for course credit to be given. Credit/No Credit Course.
GERIATRIC MEDICINE RESEARCH

I. Descriptive Information:

Title: GERI 542 Geriatric Medicine Research
Department: GERIATRIC MEDICINE
Number of students: 1-2 per elective block
Pre-requisite: 4th year status
Duration: 4-8 weeks
Location: Kuakini Medical Center (Hale Pulama Mau 9th floor)
Address: 347 N. Kuakini St. HPM-9, Honolulu, HI 96817
Telephone: 523-8461
Faculty Coordinator: Kamal Masaki, MD
Administrator: Misty Yee, MS

II. Objectives:

1. To develop and complete a research project in the field of epidemiology of aging
2. To learn basic principles of epidemiology and statistics

III. Methods:

1. The student must submit a research proposal that is acceptable to the Department of Geriatric Medicine's Research Committee. The proposal will include background information, hypothesis, methods, and significance of the project. If necessary, the student must submit an IRB application. The student will be expected to present their research findings to the department. In addition, the student will be expected to either present their research findings at the Hawaii Chapter American College of Physicians (ACP) meeting, or submit a manuscript to a journal for publication, or both.
2. The student must complete the NIH web-based tutorial on “Human Subject Protection for Researchers”, and submit a copy of the completion certificate to the Department of Geriatric Medicine.
3. Credit will be given for full-time research for 4 to 8 weeks of effort as a Senior Rotation elective, as pre-arranged by the student and mentor. One week credit is equivalent to approximately 40 hours of work. It is possible that some of the research work will be performed during other stages of the student’s JABSOM matriculation, but only the actual Senior Rotation time spent will receive Senior Rotation credit.
4. Research mentors must have a faculty appointment with the JABSOM, and must be recognized by the Department of Geriatric Medicine’s Research Committee as being an active participant in research. The Research Committee will have final authority in approving research mentors.
5. Final approval for this elective will be given by the Chair of the Department of Geriatric Medicine, based on recommendations from the Research Committee.

IV. Evaluation:

1. The student will be expected to complete the elective evaluation form of the Department of Geriatric Medicine.
2. The mentor will be asked to complete an evaluation form for the student, based on effort, productivity and the final presentation.
I. Descriptive information

Title: GERI 545  Geriatric & Palliative Medicine
Department: GERIATRIC MEDICINE
Number of Students: 4-9 per block
Duration: 4 weeks
Location: Kuakini Medical Center (Hale Pulama Mau, 9th floor)
Address: 347 N. Kuakini Street, HPM-9, Honolulu, HI 96817
Telephone: 523-8461
Faculty Coordinator: Aida Wen, MD
Administrator: Misty Yee, MS

II. Objectives

Students should have a good understanding of both Geriatric Medicine and Palliative Care. The Curriculum for Geri 545, which is aligned with the JABSOM Graduation Objectives, emphasizes the development of competence and excellence in the knowledge, skills, and professional habits necessary for the care of our elderly in outpatient, inpatient, home care, nursing home and end-of-life settings.

I. Life-Long Learning Skills

Graduates will be life-long learners. Following patient care interactions, or in anticipation of future learning needs, students will be life-long learners by:

- Searching for and retrieving (from electronic databases and other resources) biomedical and psychosocial information, critically appraising this information, and applying it appropriately to patients and populations (self-directed learning).

Identifying and managing a personal learning agenda, learning from clinical experience, and recognizing the need for life-long learning in the care of older people, the seriously, chronically, and terminally ill.

2. Biological Sciences

Graduates will understand the biological sciences underlying clinical medicine. Students will apply the biological sciences to the practice of medicine by:

- Stating differences between chronological aging, physiologic aging and disease, and applying knowledge of basic sciences to clinical situations.
- Stating the principles of pharmacology in older people: appropriateness, dosing, adverse effects, interactions, compliance, costs, errors, etc., and applying them to clinical practice.

3. Patient Care

Graduates will be able to care for their patients under the supervision of faculty. When seeing a patient in the Geriatrics and Palliative Care Medicine rotation, students will be able to care for that patient by:

- Approaching each patient with an awareness and sensitivity to the impact their age, gender, culture, spiritual beliefs, socioeconomic background, family support, sexuality, healthcare beliefs, and other non-biological determinants of health may have on the development, diagnosis, and treatment of their illness.
• Ability to gather accurate information, perform a detailed physical exam, order appropriate diagnostic tests, and develop a therapeutic plan by applying clinical reasoning, critical thinking and problem-solving skills.

• Diagnosing and treating the major medical and psychiatric illnesses of late life, managing complexity associated with multiple illnesses, evaluating atypical presentations of illness and geriatric syndromes, identifying iatrogenesis and medication side effects in older and seriously ill patients.

• Providing a comprehensive geriatric patient assessment, including medical, psychiatric, cognitive, functional and social aspects. (including mental status assessment and screening for depression)

• Identifying goals of care and stating the value of non-curative interventions such as improving functional status, symptoms, and quality of life.

• Performing a basic spiritual assessment, and assessing and managing pain and non-pain symptoms at the end of life.

• Managing care when a patient is actively dying, completing death pronouncement, and managing grief and bereavement.

4. Oral and Written Communication Skills
Graduates will be able to communicate effectively with patients, families and other healthcare providers.

When in a classroom, clinical, or other healthcare setting, students will communicate effectively with others by:

• Using the four habits model, stating the principles of relationship-based communication, listening actively to patients, family members, caregivers, other healthcare workers and the medical team, and educating them about health conditions.

• Conducting a family conference, identifying and responding proactively to conflict.

• Sharing bad news effectively and compassionately, discussing advance directives and care planning, nutrition and hydration.

• Orally presenting cases clearly and concisely.

• Writing legible, comprehensive progress notes, history and physical exams, and prescriptions.

5. Populational and Community Health
Graduates will appreciate the epidemiology of disease and the role of the physician in public health and global health issues important to Hawaii and the Asia-Pacific region.

When communicating with others in the clinical setting, students will appreciate the epidemiology of disease and the role of the physician in populational and community health by:

• Stating the social, demographic, cultural and economic issues associated with chronic and terminal illness in the elderly population, including sources of healthcare financing.

• Stating the recommendations for health maintenance in older patients.

• Explaining dying trajectories and the challenges of prognostication, and stating the philosophies and delivery of hospice and palliative care.

6. Professionalism
Graduates will be professional and ethical, demonstrate an enthusiasm for medicine, and value honor, integrity, altruism, respect, accountability, excellence, scholarship, and leadership while delivering compassionate care to their patients.

Students will exhibit the highest standards of professional and ethical behavior in the context of Geriatrics and Palliative Care Medicine by:
• Identifying and addressing personal attitudes regarding aging, chronic illness and death, showing respect for older patients with serious chronic illness, with a focus on patient dignity and patient confidentiality.
• Active engagement in the interdisciplinary process of care, showing respect for others, honesty, integrity and an absence of arrogance, rudeness and coercion in all interactions with patients, their families, and other healthcare workers.
• Demonstrating self-motivation, interest and initiative, and a professional appearance.
• Applying self awareness and personal insight as the core of one’s integrity and professionalism, and actively seeking and humbly accepting feedback.
• Being punctual and completing assignments, duties, surveys, forms, and other school and professional requirements on a timely basis.
• Completing assignments carefully and accurately as instructed.

7. Personal Health and Well-Being
Graduates will maintain personal health and well-being.

Students will maintain their personal health and well-being by:
• Recognizing the importance of balancing personal, family and career goals, and stating strategies to maintain personal physical and mental health.

III. Methods

This four-week rotation provides medical students with a balanced overview of Geriatric and Palliative Medicine in the outpatient, inpatient, home care and nursing home settings. A variety of instructional methods will be utilized, including clinical experiences and didactic sessions. The clinical placements for the Geriatric Medicine experiences will be provided at several teaching sites including Kuakini Medical Center, Leahi Outpatient Geriatrics Clinic, The Queen’s Medical Center, the VA, and several nursing homes on Oahu. The clinical experiences for the Palliative Medicine experience will be provided at Bristol Hospice, Hospice Hawaii, Islands Hospice, Kokua Kalihi Valley Palliative Service, the Pain & Symptom Management Program at The Queen’s Medical Center, The Queen’s Medical Center Home Care Service, St. Francis Hospice, St. Francis Palliative Service, and Straub Palliative Service. Students will receive one half-day per week of Geriatric Medicine seminars covering core geriatric topics and one half-day per week of Palliative Medicine seminars.

IV. Evaluation

Students will be evaluated by their preceptors based upon the following parameters: basic science and clinical science knowledge, problem-solving ability, clinical skills, professional comportment (attitude, behavior, motivation and interest, communication skills and ability to work with others). Students are required to pass both clinical skills and written exams.
MEDICAL EDUCATION

I. Descriptive Information

Title: MDED 545-B Medical Education
Department: Office of Medical Education
Pre-requisite: Approval of course coordinator. Satisfactory completion of academic curriculum through the third year and a tutor-training workshop (arranged at time of acceptance). Students who apply for this elective should plan on being available for the entirety of the Unit. As this elective runs concurrently with other rotations, some restrictions apply.
Duration: Variable. 8-14 weeks
Coordinator: Damon Sakai, M.D.

II. Description

Senior students participating in this elective will serve as PBL tutors for first or second-year student tutorial groups in a selected Unit and attend periodic student tutor meetings with the course coordinator.

III. Objectives

By the end of the elective experience, students will be able to:

1. Provide proper facilitation and feedback in a problem-based learning session.
2. Perform basic teaching tasks that can be applied to their role as teachers during residency training and beyond.
3. Better describe and understand the biological, behavioral, populational and clinical content relevant to the health care problems of that particular Unit.
4. Better appreciate the principles of adult learning and selected issues in medical education.

IV. Method

1. Training workshop with practice and feedback.
2. Practical application of skills as a co-tutor for a PBL tutorial group.
3. Discussion with supervising faculty.

V. Evaluation

Self-evaluation, evaluation by students and supervising faculty.

(Read memo below on academic credit for tutoring)
TO: Potential Senior PBL Tutors (2008-09)

RE: Academic Credit for Tutoring (MDED 545B)

This memo is intended to clarify course credits earned for tutoring while concurrently registered for another senior elective.

Since senior electives are assumed by the University’s Admissions and Records Office to be full time (i.e., eight+ hours a day, five days a week), and assigned a set number of credits based on this assumption (e.g., a four week elective = 6 credits), a student can only be enrolled in one elective at a time. Therefore, any concurrent activity which decreases the number of hours spent in the primary elective would result in an adjustment in the number of credits. In the case of tutoring, since approximately two half-days per week is spent away from the primary elective, each four week elective would therefore be shortened by four days. In order to simplify the math, for each Unit in which a senior tutors, we shorten each four week primary elective credit by one week, and add a four week MDED 545B elective credit.

For example, if a senior medical student enrolled in the MDED 545B PBL tutoring elective in MD 2 (12 weeks) is also simultaneously signed-up for three four-week electives, he/she will be given credit for three three-week electives, plus MDED 545B.

Example:

<table>
<thead>
<tr>
<th>Standard Senior elective schedule</th>
<th>*Same schedule + PBL Tutoring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Med 545C 4 wks 6 Cr</td>
<td>Med 545 C 3 wks 4 Cr</td>
</tr>
<tr>
<td>Ped 545 D 4 wks 6 Cr</td>
<td>Ped 545 D 3 wks 4 Cr</td>
</tr>
<tr>
<td>OBGN 545 C 4 wks 6 Cr</td>
<td>OBGN 545 C 3 wks 4 Cr</td>
</tr>
<tr>
<td></td>
<td>MDED 545B **4 wks **6 Cr</td>
</tr>
<tr>
<td>Total 12 wks 18 Cr</td>
<td>Total 13 wks 18 Cr</td>
</tr>
</tbody>
</table>

*Two week electives and Sub-I’s may not be taken while tutoring.

** A decrease of weeks/credits will be awarded to MD-1 and MD-5 since these units are less than 12 weeks (i.e., MDED 545B 3 wks; 4 credits). An increase of weeks/credits will be awarded to MD 6 since it is the longest unit at 15 weeks (i.e., MDED 545B 5 wks; 7 credits).

In specific cases, permission may be granted to miss up to 4 weeks of the PBL tutoring elective (for off-island interviews, geriatrics and palliative care rotation, 2 week electives, etc.). Students wishing to take advantage of this possibility must receive prior approval from the MDED 545B course director, respective PBL Unit Chair, and their assigned faculty supervisor. Please start this process by contacting Dr. Damon Sakai at damon@hawaii.edu or 692-1001.
I. Descriptive Information

Title: MED 545-B Allergy/Clinical Immunology
Department: MEDICINE
Pre-requisite: Credit in MED 531/532
Duration: 4 weeks
Number of Students: 1 per location
Locations: Various
Elective Director: Laurie Tam, M.D.

II. Objectives

This experience in allergy and clinical immunology will familiarize the student with the evaluation and treatment of common allergic and immunologic disorders: rhinitis, asthma, atopic dermatitis, urticaria and angioedema, hymenoptera, food, and drug allergy, aerobiology, and immunodeficiency states among other problems. The student will become familiar with the indications and methods of allergy skin testing, office spirometry, examination of nasal and sputum smears, pulmonary challenge protocols, and nasolaryngoscopy. The student will learn the techniques and theoretical basis for environmental control and allergy immunotherapy, how to recognize the common allergic conditions, and when to consider more extensive allergic and immunologic evaluation.

III. Method

The student will observe, then practice, history taking in allergic and immunologic diseases and learn about skin testing and different environmental control measures in the clinical setting. Each student is expected to read chapters covering allergic disorders such as rhinitis, asthma, common allergic skin disorders, anaphylaxis, food and drug allergy, immunodeficiency diseases and stinging inset hypersensitivity from "Primer on Allergic & Immunologic Diseases" published in the Journal of the American Medical Association during the rotation. Additional references will be provided appropriate to the cases seen. The student should be able to observe rhinoscopy and participate in exercise and methacholine challenges for asthma. The student will observe skin testing and anergy panel placement and reading, and be made familiar with writing and interpretation of IT extract prescriptions.

IV. Evaluation

1. Observational evaluation by the supervising physician will assess the student's acquisition of knowledge and application to patient care. There will be no formal examination.

2. To obtain credit for this elective, all students must complete and return the elective evaluation from to the Department of Medicine.
I. Descriptive Information

Title: MED 545-C Cardiology  
Department: MEDICINE  
Pre-requisite: Credit in MED 531/532  
Duration: 4 weeks  
Number of Students: 1 per location  
Locations: Various  
Elective Director: Laurie Tam, M.D.

II. Objectives

The student will develop in-depth skill in obtaining a cardiovascular history, and performing physical examinations relevant to cardiovascular disease. He/she will identify the appropriate database for the most important manifestations of commonly encountered cardiovascular diseases. The student will increase his/her skill in interpreting electrocardiograms as part of the evaluation of patients with heart disease and will gain familiarity with other specialized procedures utilized in evaluation and measure of patients with cardiovascular disease, including: exercise stress testing, echocardiography, cardiac catheterization and coronary interventions. The student will acquire knowledge of the methods of management of patients with cardiovascular disease particularly coronary disease, heart failure and arrhythmias.

III. Methods

Students working with a single cardiologist will see both inpatients and outpatients, make rounds with the attending cardiologist, aid in performance of non-invasive testing (including treadmill stress testing and echocardiograms) and observe invasive procedures (such as cardiac catheterization and interventions, electrophysiologic testing) when appropriate. Attention will be given to preventive cardiology and how social and economic factors interplay in the patient’s disease and response to treatment.

Students at the Tripler Army Medical Center Cardiac Clinic will participate in the outpatient evaluation and treatment of clinic patients with cardiovascular problems. (Note that the elective at TAMC is not available July – September.)

Students on the Queen’s Medical Center Inpatient Cardiology Service will participate in the care of inpatients on the Cardiology service. Students will be supervised by an internal medicine resident and by an inpatient cardiologist. Queen’s cardiologists assigned to the service include: Dr. David Fergusson, Dr. Christian Spies and Dr. Joon Choi. Other cardiologists serving as teaching attendings on the service include: Dr. Edward Shen, Dr. Ralph Shohet, Dr. Irwin Schatz, Dr. Todd Seto and Dr. Robert Hong. The student will participate as part of a multidisciplinary team in the evaluation and treatment of inpatients with cardiovascular diseases. They will also be exposed to diagnostic cardiac testing and interventional cardiology. Formal bedside teaching rounds will occur at least three times weekly. In addition to these teaching rounds, the student will be expected to attend a weekly Core Curriculum conference and a weekly Cardiac Imaging conference. Students will not be required to take in-house call but will be expected to admit at least one patient during the team’s in-house call rotation every fifth night.
IV. Evaluation

1. Ongoing evaluation of clinical workups and application of knowledge to assigned patients. There will be no formal evaluations.

2. To obtain credit, all students must complete and return an elective evaluation form to the Department of Medicine.
MEDICINE ELECTIVE IN ASIA

I. Descriptive Information

Title: MED 545-D Medicine Elective in Asia
Department: MEDICINE
Pre-requisite: Credit in MED 531/532 and 541
Duration: 4 weeks minimum
Number of Students: Dependent on elective site
Locations: Various elective sites in Asia
(See up-to-date list of sites on Department of Medicine website www.uhmed.org)
Program Director: Laurie Tam, M.D.

II. Objectives

1. To increase students’ knowledge of diseases affecting adults in Asia
2. To expose students to the practice of internal medicine or its subspecialties in Asia and to compare this to the practice in the U.S and in Hawaii
3. To expose students to the care of adult patients in Asia and to compare this to the care of adult patients in the U.S and in Hawaii

III. Methods (see Information and Instructions for Students on Department of Medicine website www.uhmed.org)

1. Students will choose an elective site with the assistance of Dr. Satoru Isuzu.
2. Students will submit an Education Plan, including specific Learning Objectives and Learning Strategies, which must be approved by UH Department of Medicine and by the elective site.
3. The student will complete the elective as outlined by the approved Education Plan.

IV. Evaluation

1. Before the end of the elective, the supervising elective preceptor(s) will complete a Student Evaluation Form.
2. Within 2 weeks after the elective ends, the student will complete a Student Evaluation of Elective Form.
3. Within 4 weeks after the elective ends, the student will complete a written report.
4. There is no formal examination.

V. Only University of Hawaii medical students are accepted for this elective.

Revised January 2010
I. Descriptive Information

Title: MED 545-E Dermatology  
Department: MEDICINE  
Pre-requisite: Credit in MED 531/532  
Duration: 4 weeks  
Number of Students: 1 per location  
Locations: Various  
Elective Director: Laurie Tam, M.D.

II. Objectives

Students will learn the clinical aspects of skin diseases: diagnosis, laboratory tests, skin testing, mycology, and treatment through clinical preceptorship.

III. Method

Students will sign up for the elective and the Department of Medicine will select the site and the preceptor. (Dr. Izumi will only precept those 4th-year students planning to enter a dermatology residency program.)

This course is focused on learning clinical dermatology in office settings and at dermatology clinics. Those taking the elective with Dr. Izumi or Dr. Goldstein will be expected to write a short paper concerning some aspect of dermatology; this will be elective with the other preceptors. There will be access to a core curriculum in Dermatology by CD-ROM.

IV. Attendance

To obtain credit for this elective, students are expected to be in attendance for four (4) weeks or the equivalent of twenty (20) or more working days, depending on the supervising dermatologist.

V. Evaluation

1. Evaluation by the supervising physician will assess the student's acquisition of knowledge and application of this to patient care, by observation. There will be no formal examination.

2. To obtain credit for this elective, all students must complete and return the elective evaluation form to the Department of Medicine.

VI. Non-University of Hawaii medical students will be accepted with the approval of the Division Chief.
I. Descriptive Information

Title: MED 545-F Endocrinology
Department: MEDICINE
Pre-requisite: Credit in MED 531/532
Duration: 4 weeks
Number of Students: 1 per location
Locations: Various
Elective Director: Laurie Tam, M.D.

II. Objectives

1. Provide the students with the opportunity to examine and evaluate patients with endocrine and metabolic disorders.

2. Provide the students with experience in the diagnosis and management of endocrine and metabolic disorders in the ambulatory care setting.

3. Provide the students with experience in the acute care management of endocrine and metabolic disorders.

Major emphasis on:

a. evaluation and management of the disorders of glucose metabolism

b. pathophysiology of endocrine disease; thyroid, pituitary, parathyroid, and adrenal diseases

c. diagnosis and treatment of lipid disorders

III. Method

University Diabetes, Thyroid and Endocrine Service:

Students will participate in outpatient and inpatient consult service. The students will be able to see inpatients at Hawaii Medical Center East and West or Queen's Medical Center as part of the acute care activities.

Tripler Service:

The major objective of this rotation will be to review endocrine pathophysiology in a clinical setting with particular emphasis on assessment and treatment plans. This will be accomplished through: 1) daily morning endocrine clinics in which the student will initially evaluate a patient and will present the patient to a staff and will discuss the patient assessment and plans; 2) bi-weekly Nuclear Medicine conferences; and 3) weekly teaching rounds. The program is further supplemented by the availability of a Pediatric endocrinologist, GYN endocrinologist and Neurosurgery Service.
IV. Evaluation

1. The student's performance during the Elective will be evaluated by the supervising faculty members (Inpatient and Outpatient), and residents.

2. To obtain credit, all students must complete and return an Elective evaluation form to the Department of Medicine.

Non-University of Hawaii medical students will be considered on a space-available basis.
I. **Descriptive Information**

Title: MED 545-G Gastroenterology  
Department: MEDICINE  
Pre-requisite: Credit in MED 531/532  
Duration: 4 weeks  
Number of Students: 1 per location  
Locations: Various  
Elective Director: Laurie Tam, M.D.

II. **Objectives**

The student will increase his/her skill in gathering an appropriate database by history and physical exam and in formulation of diagnostic and therapeutic plans for patients whose problems include a broad spectrum of gastro-intestinal diseases.

III. **Method**

Students will see all patients admitted to the GI service including those not on Team Care. This is an opportunity for the student to see a large number of diagnostic procedures, the pathological processes involved and to learn the indications, usefulness and limitations of the methods. They will have the opportunity of doing the initial consultation of patients referred from other services. Cases will then be presented to the GI attendings for their opinions.  
Appropriate references will be made available by regarding journal articles and basic texts. Rounds on patients will include reviewing x-rays, biopsies, scans, and other lab studies. At Tripler Hospital, the student will also see patients in the outpatient settings. Student presence in the ambulatory settings at Queen's Medical Center, Straub Clinic & Hospital, Kuakini Medical Center, and Kaiser Hospital will be at the discretion of the gastroenterologist. GI Journal Club will meet once a month and student attendance is mandatory. The "Gut Syllabus" (University of Washington) and the GI section of the MKSAP will be required reading.

IV. **Evaluation**

1. Ongoing evaluation by the supervising physician will be used to assess the student's acquisition of knowledge and application of this to patient care. There will be no formal examination, but the student will be expected to answer the MKSAP GI questions and will be tested on this by the preceptor.

2. To obtain credit for this elective, all students must complete and return the elective evaluation form to the Department of Medicine.

V. **Non-University of Hawaii medical students will be accepted on a space-available basis.**

Revised January 2010  
MED 545-G
I. Descriptive Information

Title: MED 545-H General Internal Medicine - Ambulatory Care
Department: MEDICINE
Pre-requisite: Credit in MED 531/532
Duration: 4 weeks
Number of Students: 1 per location
Locations: Various
Elective Director: Laurie Tam, M.D.

II. Objectives

Students will learn aspects of management of acute and chronic medical conditions, behavioral aspects of primary care, economic and social influences on the application of evidence-based medical care. The student will also begin to understand some of the applications of preventative, occupational and public health as it intersects with private primary care in Internal Medicine. The student will develop an appreciation of practice management in an office setting.

III. Method

By actually participating in an ambulatory, primary care internal medicine practice, the student will experience the objectives first-hand, apply previous and new knowledge to the clinical situation, understand the principles of the application of self-directed learning in the practice environment. The student will be expected to make rounds on hospitalized patients with the preceptor, and understand the efficient use of time and prioritization of tasks involved in an active internal medicine office practice. Readings in standard medical texts are expected, as well as literature searches to update knowledge in ambulatory health issues.

IV. Evaluation

1. Observational evaluation by the supervising physician will assess the student's acquisition of knowledge and application of this to patient care. There will be no formal examination.

2. To obtain credit for this elective, students must complete and return elective evaluation form to the Department of Medicine.

V. Non-University of Hawaii medical students may be accepted on a space-available basis.

Revised January 2010 MED 545-H
I. **Descriptive Information**

Title: MED 545-I General Internal Medicine - Inpatient  
Department: MEDICINE  
Pre-requisite: Credit in MED 531/532  
Duration: 4 weeks  
Number of Students: Varies  
Locations: Queen's Medical Center - Dr. Bruce Soll  
           Kuakini Medical Center - Dr. Ken Sumida  
Elective Director: Laurie Tam, M.D.

II. **Objectives**

This elective is specifically designed to give JABSOM students the opportunity to achieve and demonstrate R (resident) level competency in Medical Knowledge, Clinical Skills and/or Professionalism and thereby receive Credit for MED 541 (Advanced Medicine) in order to meet JABSOM graduation requirements.

III. **Method**

It is similar to the inpatient rotation of the Third Year Clerkship in Internal Medicine.

IV. **Evaluation**

1. Ongoing observational evaluation by the supervising physician(s).

2. There is no formal examination.

3. To obtain credit for this elective, students must complete and return the elective evaluation form to the Department of Medicine.

V. Only University of Hawaii medical students will be accepted with the approval of the Elective Director.

Revised January 2010
HEMATOLOGY

I. Descriptive Information

Title: MED 545-K Hematology  
Department: MEDICINE  
Pre-requisite Credit in MED 531/532  
Duration: 4 weeks  
Number of Students: 1 per location  
Locations: Varies  
Elective Director: Laurie Tam, M.D.

II. Objectives

The student will learn to diagnose and manage patients with hematological disorders.

III. Method

Straub Clinic & Hospital - Student will initiate workup and evaluation of selected hematologic consultations and hematologic admissions to Straub Hospital (average 1 hour per day). Daily rounds on all patients in hospital on hematologic service (1 hour/day). Initiate workup and evaluation of selected outpatient consultations in hematologist's office (1 hour per day). Perform and interpret all bone marrow examinations on hematologic service (1 hour per day) with hematopathologist. Attend weekly tumor conference and hematology-oncology conferences (2 hours per week). Prepare 1 conference to staff. Clinical investigation of one minor topic.

IV. Evaluation

1. Ongoing evaluation by the supervising physician will be used to assess the student's acquisition of knowledge and application of this to patient care.

2. To obtain credit for this elective, all students must complete and return the elective evaluation form to the Department of Medicine.
NEPHROLOGY

I. Descriptive Information

Title: MED 545-M Nephrology
Department: MEDICINE
Pre-requisite: Credit in MED 531/532
Duration: 4 weeks
Number of Students: 1 per location
Locations: Various
Elective Director: Laurie Tam, M.D.

II. Objectives

The students will learn the clinical and laboratory management of a spectrum of renal disease problems with special emphasis on chronic renal failure, salt and water balance and other electrolyte abnormalities. They will become skilled in the interpretation of laboratory procedures ranging from urinalysis to renal biopsies.

III. Method

The instructional methods are based predominantly on bedside teaching, and reading in the Primer on Kidney Diseases from the National Kidney Foundation. Students will learn in the setting of acute in-patient and outpatient care and the dialysis unit; will likely be involved in the evaluation and care of renal transplant patients.

Emphasis will be placed on the pathophysiologic correlation with clinical manifestations of renal, fluid, electrolyte and acid-base disorders.

IV. Evaluation

1. Evaluation will be based on history taking, physical examination, case presentation, record-keeping, patient management, interpersonal relations and overall clinical competence. Higher rating will be given to those students and residents who demonstrate the ability to function independently while under staff supervision.

2. There will be no formal examination.

3. All students will be required to complete and return the elective evaluation form to the Department of Medicine.

V. Non-University of Hawaii medical students will be accepted on a space-available basis.
NEUROLOGY

I. Descriptive Information

Title: MED 545-N Neurology
Department: MEDICINE
Pre-requisite: Credit in MED 531/532
Duration: 4 weeks
Number of Students: 1 per location
Locations: Various
Elective Director: Laurie Tam, M.D.

II. Objectives

1. To increase skill in the recognition and management of patients with neurological problems in adults.

2. To increase skill in the use of neurological examination and the indications and interpretation of neurological diagnostic tests including radiographic procedures, brain imaging, electroencephalography, and electromyography.

III. Locations (please note that students will be assigned to Neurology preceptors based on preceptor availability)

Kaiser Foundation Hospital: Direct student supervision in handling cases of adult and child neurology in a major hospital clinic. Major emphasis on clinical approach, diagnostic follow-up, management, and planning for chronic as well as acute neurological cases. Exposure and training in all procedures used in diagnosis. Outside reading will be prescribed and a seminar paper presentation is mandatory.

Kuakini Medical Center: Student activities: rounds seeing and caring for patients. Follow patients. View their workups.

Queen's Medical Center: Consultative Neurology with Dr. Michael Watters where students participate in inpatient consults, Neuro Intensive Care, stroke team call, and conferences which include a variety of clinical, imaging and research neurology topics.

IV. Evaluation

1. The student's performance will be assessed by ongoing evaluation of the student's acquisition of knowledge and application of this to patient care.

2. There will be no formal examination.

3. All students will be expected to complete and return the elective form to the Department of Medicine

V. Only University of Hawaii medical students are accepted for this elective.

Revised January 2010
NUCLEAR MEDICINE

I. Descriptive Information

Title: MED 545-O Nuclear Medicine
Department: MEDICINE
Pre-requisite: Credit in MED 531/532
Duration: 4 weeks
Number of students: 1 per location
Locations: Various
Elective Director: Laurie Tam, M.D.

II. Objectives

The practice of nuclear medicine applies the student's knowledge of normal and abnormal structure, and more importantly, function of various organ systems to the appropriate management of specific patient illnesses. The student will appreciate the applications of measuring metabolic and physiologic changes in disease with this technology.

III. Method

Observing clinically-indicated tests on real patients, the student will learn to correlate metabolic information with anatomic data with computer and visual analysis, and experience how computers and film help evaluate disease in this setting. Reading material and reference lists will be made available.

IV. Evaluation

1. The student's performance will be assessed by observation by attending staff, and on the degree of interest evidenced by efforts to increase knowledge in the field.

2. There will be no formal examination.

3. All students will be expected to the complete and return the elective form to the Department of Medicine.

V. Non-University of Hawaii medical students may be accepted on a space-available basis.
I. Descriptive Information

Title: MED 545-P Oncology
Department: MEDICINE
Pre-requisite: Credit in MED 531/532
Duration: 4 weeks
Number of Students: 1 per location
Locations: Various
Elective Director: Laurie Tam, M.D.

II. Objectives

The structured oncology elective is designed to provide training for those students who may wish to pursue careers in community based practice. General internal medicine aspects of cancer diagnosis, prevention, and patient care will be emphasized thus making this attachment especially relevant for primary care and general internal medicine training in addition to providing an introduction to medical oncology subspecialization.

III. Method

Core Clinical: A core clinical attachment is offered where the emphasis is placed on outpatient care whenever possible. Students will make the initial contact with patients and then present their impressions and recommendations to the attending physician.

IV. Evaluation

1. Ongoing evaluation by the supervising faculty will be used to assess the student's acquisition of knowledge and application of this to patient care and research methodology. There will be no formal examination.

2. To obtain credit for this elective, all students must complete and return the elective evaluation form to the Department of Medicine.
PULMONARY DISEASES

I. Descriptive Information

Title: MED 545-Q Pulmonary Diseases  
Department: MEDICINE  
Pre-requisite: Credit in MED 531/532  
Number of Students: 1 per location  
Locations: Various  
Elective Director: Laurie Tam, M.D.

II. Objectives

Tripler: The Pulmonary Disease Service is designed to allow the medical student to participate in outpatient and inpatient consultations, under the auspices of a medical resident and Pulmonary staff physician.

Kaiser Foundation Hospital:  
1. Understanding pulmonary physiology
2. Diagnosis and management of common pulmonary diseases
3. Interpretation of chest x-rays and pulmonary function tests.

III. Method

The medical student will perform outpatient clinic evaluations, inpatient consultation evaluations, and will interpret pulmonary function testing. He/she will also observe fiberoptic bronchoscopies and other special procedures when appropriate. He/she will receive one-on-one tutorage by the Pulmonary Staff. He/she will perform history and physical examinations, write-ups and discuss appropriate plans for patient care. The medical student will also participate in of the Department of Medicine weekly conferences while at Tripler and all the Pulmonary subspecialty conferences. The student will also have opportunity for oral case presentations.

IV. Evaluation

1. At the end of the program, the students will be evaluated in terms of general patient management skills plus skills learned in interpreting Pulmonary function tests and chest roentgenograms. (Tripler)

2. Review of chart; work-ups; informal daily questions. (Kaiser)

3. There will be no formal examination.

4. All students will be required to complete and return the Department of Medicine elective evaluation form.

V. Awards

Students who complete this elective may be considered for the Maurice Brodsky Memorial Award.

Revised January 2010
I. **Descriptive Information**

Title: MED 545-R Research in Internal Medicine  
Department: MEDICINE  
Pre-requisite: Credit in MED 531/532  
Duration: 4 weeks minimum - 12 weeks maximum (may be discontinuous by prior arrangement)  
Number of Students: not pre-determined  
Location(s): By prior arrangement with mentor  
Program Director or Coordinator: Laurie Tam, M.D.

Please note that there is a defined Research in Internal Medicine elective, “Practice-Based Research in Internal Medicine,” that is available.

II. **Objectives**

a. To develop or continue student research experience and expertise.

b. Categories of research which will qualify may include: basic science research, clinical research, literature research project such as meta-analysis, research in medical education, health services and medical anthropology. The research must be in Internal Medicine.

III. **Method**

a. The student must be in academic good standing.

b. The student must have completed and earned credit for MED 541 before the beginning of Unit 7.

c. The student must complete and submit the Student Application form.

d. The student must submit a proposal that is acceptable to the Department of Medicine Research Committee. The proposal should include title, hypothesis, background information, proposed methods, and expected outcome (e.g., completion of IRB proposal, completion of research, presentation at a regional or national meeting, submission to a nationally recognized journal).

e. The student must complete the tutorial, Human Participant Protections Education for Research Teams, at: hjV://cme.nci.nih and submit a copy of the completion certificate.

f. The student must identify a research mentor and submit the Research Mentor Application form. Research mentors must have a faculty appointment with the University of Hawaii and must be actively involved in research. The Department of Medicine Research Committee has review authority on the qualification of research mentors.

g. Credit will be given for full-time research for 4 to 12 weeks (one week credit is equivalent to approximately 40 hours of research work). It is possible that some of the research work may be conducted during other periods of the student’s medical education, however, only the actual Unit 7 time devoted to research will be given credit.

h. Final approval for this elective will be determined by the Department of Medicine (Chair, Research Committee, Unit 7 Medicine Coordinator and Student Education Committee).
IV. Evaluation

1. All students will be expected to complete and return the elective evaluation form to the Department of Medicine.

2. Mentors will be asked to complete an evaluation of effort, productivity and work product.

V. Non-University of Hawaii medical students may be accepted by special arrangement.
REHABILITATION MEDICINE

I. Descriptive Information

Title: MED 545-S Rehabilitation Medicine
Department: MEDICINE
Pre-requisite: Credit in MED 531/532
Duration: 4 weeks
Number of Students: 1 per location
Locations: Various
Elective Director: Laurie Tam, M.D.

II. Objectives

Understand basic concepts, terminology, and model of rehabilitation medicine (neuro orthopedics/non-surgical). Learn to develop a Rehabilitation Master Problem List. Learn how to write a functional-oriented history and physical examination, emphasizing chronic disability and musculoskeletal impairment. Understand the roles of the occupational therapist, physical therapist, speech and language therapist, clinical psychologist, social worker, rehabilitation nurse, and recreational therapist in the evaluation and management of the physically disabled patient. Observe the interdisciplinary team in action. Recognize clinical problems that can be treated or managed by rehabilitation and be aware of major disabling conditions—stroke, spinal cord injury, brain injury, arthritis, low back pain, neck pain, shoulder pain, carpal tunnel syndrome, etc. Learn principles of prescribing rehabilitative therapy. Understand how to read medical literature in terms of the functional rehabilitation approach.

III. Method:

Observe patients in rehabilitation therapy; observe physiatrist (rounds, clinics, electrodiagnosis, brace-prosthetics); observe team conference; lectures; literature review; read entire student syllabus on chronic disability. May include inpatient workups <10%. Learn the basics of running a private outpatient musculoskeletal physiatric practice in a small town (Dr. Sloan).

IV. Evaluation

The faculty preceptor will evaluate the student at the end of the elective. To obtain credit for this elective, all students must complete and return the elective evaluation form to the Department of Medicine.
I. Descriptive Information

Title: MED 545-T Rheumatology
Department: MEDICINE
Pre-requisite: Credit in MED 531/532
Duration: 4 weeks
Number of Students: 1 per location
Locations: Various
Elective Director: Laurie Tam, M.D.

II. Objectives

To familiarize the student with the most common forms of arthritis; methods of physical examination of the osteoarticular system and range of motion of the joints. To become acquainted with the holistic approach to patients with arthritis.

III. Method

The student will learn techniques of history taking in rheumatology; determine the impact of the disease in the family and personal life; learn how to perform joint examination; attend and participate in clinics; interpret laboratory tests and x-rays used in rheumatology, including synovianalysis; become familiar with the importance of orthopedic surgery for treatment of joint disorders. Directed reading will include "The Primer on the Rheumatic Diseases" and A.R.A. slide collection, and/or other instructional materials made available. Participation in Rheumatology Journal Club or academic meetings is highly desirable while on elective.

IV. Evaluation

The faculty preceptor will evaluate the student at the end of the elective. To obtain credit for this elective, all students must complete and return the elective evaluation form to the Department of Medicine.
SUB-INTERNSHIP IN CRITICAL CARE MEDICINE

I. Descriptive Information

Title: MED 545-W Sub-Internship in Critical Care Medicine (MICU/SICU/CVICU)
Department: MEDICINE
Pre-requisite: Credit for MED 541
Duration: 4 weeks
Number of Students: Varies with location
Location: Kuakini Medical Center and Queen's Medical Center
Elective Director: Laurie Tam, M.D.

II. Objective

Queen’s Medical Center

The fourth-year student will learn and understand the necessary skills, attitude and knowledge to coordinate the evaluation, and management of patients in the ICU setting. The student will learn to diagnose and manage patients with acute medical illnesses requiring intensive care and will learn about those procedures required to support those patients.

Kuakini Medical Center

By the end of this four week elective:

1. The student will gain a detailed introduction to Critical Care problems in the Medical, Surgical and Cardiovascular Intensive Care Setting.

2. The student will gain a comprehensive introduction to the multi-specialty approach to critical care medicine.

3. The student will be able to efficiently gather comprehensive and complete data for their critical care patient on a daily basis.

4. The student will be able to document daily clinical data in the form of daily ICU progress notes.

5. The student will be familiar with the workup and treatment of the following basic critical care problems:
   ● Respiratory Failure
   ● Hypotension
   ● Shock
   ● Sepsis
   ● Renal Failure

6. The student will be introduced to the following critical care topics:
   ● Mechanical Ventilation
   ● Vasopressors and Inotropes
   ● Invasive Hemodynamic Monitoring
   ● ICU Nutrition
   ● ARDS
   ● Imaging in ICU
   ● Sedation and Analgesia
   ● CU Endocrinology
   ● Patient Safety in ICU
   ● Brain Death
   ● Care of the post operative CABG patient
   ● End of Life Care
7. The students will have participated in the following critical care procedures:
   - Airway Management – Bag Mask Ventilation
   - Endotracheal Intubation
   - Central Line Placement
   - Arterial Line Placement
   - CPR and ACLS

III. Method

Queen’s Medical Center

The student will function as a subintern assigned to the ICU team at Queen's, taking intimate part in the care of acutely ill patients, learning to do those procedures required in intensive patient care. On-call roster will be arranged with ICU team. The student will function under the direct supervision of the medical ICU residents (QMC).

Kuakini Medical Center

The student will function as a subintern assigned to the ICU at Kuakini Medical Center, taking care of acutely ill patients, learning to do those procedures required in intensive patient care. The student will function under the direct supervision of an intensivist. There are no call requirements.

IV. Evaluation

1. The evaluation is accomplished by observation of the physicians supervising the sub-intern.

2. There is no formal examination.

3. To obtain credit for this elective, all students must complete and return the elective evaluation form to the Department of Medicine.

V. Non-University of Hawaii medical students will be accepted on a space-available basis with the approval of the Elective Director and the supervising intensivist. Such students must be able to demonstrate that they have successfully completed a minimum of four (4) weeks on an inpatient internal medicine clerkship or elective.

VI. Awards

Students who complete this elective may be eligible for the Maurice Brodsky Memorial Award.
I. Descriptive Information

Title: MED 546-B Extramural Electives in Medicine  
Department: MEDICINE  
Pre-requisite: Credit in MED 531/532 and 541  
This elective must be arranged by the student at an LCME-approved academic institution which must be acceptable to UH Department of Medicine and JABSOM Office of Student Affairs. Academic, health and legal policies of both JABSOM and the host institution must be observed.

Duration: 3 to 12 weeks  
Elective Director: Laurie Tam, M.D.

II. Objectives

1. Increase knowledge and skills in a formalized educational experience at an extramural academic institution with the focus in an area of Internal Medicine (generally or specialty) from an academically, geographically and/or culturally different perspective.

2. The student’s individual curriculum may focus on hospital, ambulatory, specialty, clinical and/or academic medicine.

III. Methods

1. The student may choose to participate in a pre-existing curriculum at the host institution, or may seek approval of this department of an individually developed educational curriculum.

IV. Evaluation

1. The host-supervising faculty must complete the appropriate JABSOM Extramural Elective Evaluation form in order to obtain credit for the elective.

2. In addition to obtaining the student performance evaluation, the student must complete and return the evaluation of the elective to the Office of Student Affairs to obtain credit for this elective.
I. Descriptive Information

Title: MED 546-D Infectious Diseases
Department: MEDICINE
Pre-requisite: Credit in MED 531/532
Duration: 4 weeks
Number of Students: 1 per location
Locations: Various
Elective Director: Laurie Tam, M.D.

II. Objectives

The major objective of the program is to acquaint the student with the ways in which patients with infections present to physicians, clinical features which should make physicians suspect infection, the proper approach to the patient for the purpose of diagnosing infection and the general concept of treating infectious diseases. Additionally, emphasis will be placed on the interpretation of laboratory and microbiologic data as applicable to the practicing physician and appropriate antibiotic selection and utilization.

III. Method

Emphasis will be given to a close working relationship with the attending physician in both ambulatory and in-patient consultations and a further development of the clinical skills necessary for a successful internship. The student will evaluate one patient daily and will present to the staff. Emphasis will be placed on clinical skills, development of an understanding of antibiotics, major infectious disease syndrome, basic microbiology skills, basic radiology, and review of current literature pertaining to infectious disease encountered during the rotation. The student will be expected to follow closely and evaluate daily each patient that he/she is following. Tripler students will be given the opportunity to attend a U.S. Navy Malaria Course (8 hours) every other month, and the Diamond Head Health Center STD Clinic (4 hours). Attendance at the UH Infectious Disease Grand Rounds is mandatory.

IV. Evaluation

1. Ongoing evaluation by the supervising physician will be used to assess the student's acquisition of knowledge and application of this to patient care. There will be no formal examination.

2. To obtain credit for this elective, all students must complete and return the elective evaluation form to the Department of Medicine.
I. Descriptive Information

Title: MED 546-E Sub-Internship in Internal Medicine  
Department: MEDICINE  
Pre-requisite: Credit in MED 541  
Duration: 4 weeks  
Number of Students: Varies per location  
Location(s): Kuakini Medical Center and Queen's Medical Center  
Elective Director: Laurie Tam, M.D.

II. Objective

The overall objective of this sub-internship is to give students, who have demonstrated that they are ready to take on the responsibilities of a medicine intern, the opportunity to have an experience which will closely simulate that of a medicine intern’s. Specifically, by the time he/she has completed this sub-internship, the student will be able to:

1. Perform a complete and concise history and physical examination on patients admitted to a hospital, which would serve as the main history and physical examination in that patient's record.

2. Write a set of orders which would be appropriate for the patient's illness.

3. Follow the patient throughout his hospitalization and write appropriate problem-oriented progress notes describing that patient's care.

4. Make necessary plans for discharge and follow-up of the patient after his hospitalization.

5. Be able to perform any procedure which would be appropriate to the level of a 1st year Internal Medicine resident.

III. Method

As the Sub-intern, the student will be assigned to an upper level resident (R2 or R3) and will be directly responsible to that resident as if he/she were the intern on that service. The Sub-intern will participate in all the work rounds, teaching rounds, lectures and conferences like the interns at his/her assigned hospital. The Sub-intern will take rotational night call, usually every fourth night, and have weekend duties under the supervision of his/her assigned upper level resident. In addition, the sub-intern will have the opportunity to cross-cover with the intern on his/her team.
IV. Evaluation

1. Ongoing observations by the supervising physicians will be used to assess the student's acquisition of knowledge and application of this to the patient. There is no formal written examination.

2. To obtain credit for this elective, all students must complete and return the elective evaluation form to the Department of Medicine.

V. Non-University of Hawaii medical students will be accepted on a space-available basis with the approval of the Program Director and the hospital Director of Medical Education. Such students must be able to demonstrate that they have competently completed a minimum of four (4) weeks on an inpatient internal medicine clerkship or elective.
I. Descriptive Information

Title: MED 546-F Research in Bioethics  
Department: MEDICINE  
Pre-requisite: Credit in MED 531/532  
Strong writing skills are required.  
Background in humanities/literature are recommended.  
Duration: 4 weeks  
Number of Students: 1 - 2  
Locations: Hawaii Medical Center East Library, Hawaii Medical Library and JABSOM Health Sciences Library (medline, bioethics line, law literature) - Dr. S.Y. Tan  
Elective Director: Laurie Tam, M.D.

II. Objectives

Students will work very closely one-on-one with the faculty to identify research and write a publishable article in an area in bioethics and health care. This elective is rigorous and the student can expect to devote at least 40-60 hours each week reading and writing. Several drafts of the paper including a final draft before the end of the rotation will be required. Please do not apply if writing skills are weak!
I. **Descriptive Information**

Title: MED 546-G Neurology Critical Care Elective  
Department: MEDICINE  
Pre-requisite: Credit in MED 531/532  
Duration: 4 weeks  
Number of Students: 1 – 2  
Location: Queen's Medical Center  
Elective Director: Laurie Tam, M.D.

II. **Objectives**

The student will learn to identify neurologic emergencies by history and physical examination, especially with appropriate neurologic evaluation. The student will apply basic anatomy and physiology to evidence-based management of neurological critical care patients.

III. **Method**

The student will observe and examine patients in the emergency and critical care setting who have neurologic illness. They will participate in rounds, learn to apply imaging and other specialized testing, and attend learning conferences. Reference material will be recommended appropriate to the cases under study.

IV. **Evaluation**

1. Observational evaluation by the supervising physician will assess the student's acquisition of knowledge and application of this to patient care. There will be no formal examination.

2. To obtain credit for this elective, students must complete and return elective evaluation form to the Department of Medicine.

V. Only University of Hawaii medical students are accepted with the approval of the Neurology Division Chief.
NATIVE HAWAIIAN HEALTH CARE

I. Description

Title: NHH 545 Native Hawaiian Health Care
Department: NATIVE HAWAIIAN HEALTH
Pre-requisite: Credit in MED 531 or MED 532
Duration: 4 weeks, available all blocks
Number of students: 1 to 5 per block depending on site
Location(s): In one of 5 main island Native Hawaiian Health Care Systems and/or community health care centers: Kaua`i, O`ahu, Moloka`i, Maui and Hawai`i.
Coordinator: Dee-Ann Carpenter, M.D.

II. Objectives

1. Define and begin development of a set of clinical skills (e.g. communication, observational, community-specific) needed in optimal health care of Native Hawaiians in a Native Hawaiian community.

2. Explore and list a set of unique aspects (e.g. cultural, economic, social, ethical) concerning health care delivery to Native Hawaiian communities.

3. Explore and list research opportunities observed in service to Native Hawaiians in an underserved community.

4. Explore and list elements of career commitment to serve this currently underserved community.

5. Understand and explain the link used in the Native Hawaiian Health Care Systems to incorporate traditional and western medicine.

III. Methods

1. Student will review the course prospective and evaluation forms in advance, with the elective coordinator, the UH Department of Native Hawaiian Health staff person and the community supervising physician.

2. Student will participate in direct patient care responsibility of Native Hawaiian out-patients (and possibly in-patients) under appropriate community physician supervision and feedback with opportunities for self-instruction and research.

3. Student will be immersed in the medical-cultural-social milieu of a Native Hawaiian community.

4. Students will have one-on-one/small group lectures/discussions with the elective coordinator, Dr. Dee-Ann Carpenter, and Dr. R. Kekuni Blaisdell (for those students on O`ahu), and the community-supervising physician.

5. Students will be able to work with traditional healers/cultural specialist at the clinic sites, when available.
IV. Evaluations

1. The community supervising physician and traditional healer/cultural specialist will provide continuous feedback monitoring of the student in Native Hawaiian patient care.

2. Recommendations will be made by the student, the community physician and/or the elective coordinator in mid-elective and at the end of the elective based on the experience of the student.

3. At the end of the elective, the community supervising physician and the traditional healer/cultural specialist will evaluate the student’s overall performance with the student, complete the evaluation form and give it to the student to submit to the elective coordinator.

4. At the end of the elective, the student will evaluate this elective on the appropriate form, submit it with the supervising physician’s evaluation of the student to the elective coordinator for summary final evaluations.

5. An essay on the integration of Native Hawaiian healing and Western Medicine, as experienced during the rotation, will be due by the last week to the coordinator.

6. Students will receive feedback from the community physician and elective coordinator regarding perceived knowledge in the communion of traditional and western medicine. This may/may not be in the form of a quiz regarding Native Hawaiian healing terminology.

7. At the end of the elective, the elective coordinator will meet with the student to review the evaluations of the student and the student’s evaluation of the elective. They will decide on an appropriate formal course grade for the student. The formal determination of the Credit/No Credit grade will be made at this point. The essay discussed above will be turned in at this meeting.

Student Eligibility:

All applicants must complete the following essays:

1. Why you want to take this elective/ what do you hope to gain from this experience?
2. What ties, if any, do you have to the Native Hawaiian Community? If so, which community?
3. Which island and/or site interests you and why?
4. Will you need lodging arrangements during your stay? The student is responsible for their own lodging, travel and meals.

To Apply: Contact Coordinator of intent to apply for NHH 545, complete the above essays and the 4th year elective application. Send completed essays to:

Department of Native Hawaiian Health OR send via email to deeannc@hawaii.edu
ATTN: Dee-Ann Carpenter, M.D.
677 Ala Moana Blvd. Suite 1016B
Honolulu, Hawai`i 96813
I. **Descriptive Information**

   Title: OBGN 545-B  Sub-Internship in Obstetrics  
   Department: OB-GYN  
   Pre-requisite: Credit in OBGN 531 or equivalent  
   Duration: 4 weeks; available all blocks  
   Number of Students: Maximum - 2  
   Location: Kapiolani Medical Center for Women and Children  
   Program Director: Mark Hiraoka, M.D.

II. **Objectives**

   1. To familiarize the student with everyday activities of Obstetrics practice including labor and delivery management.  
   2. Management of normal and high risk patients.  
   3. Emphasis will be placed on preparing the student who desires further Obstetrics training.

III. **Method**

   The student will be assigned to work exclusively in the Family Birth Center under the supervision of a Chief Resident. Students will see patients on admission and follow through with diagnosis, management, delivery and postpartum care. Specific topics will be assigned for review. Night call will be on a rotational basis. They will be expected to attend all conferences in the department.

IV. **Evaluation**

   The Residents and Faculty will evaluate the student's performance with emphasis on participation, attitude, differential diagnosis, management and technical skills.
I. Descriptive Information

Title: OBGN 545-C Out-Patient Clinic at Queen Emma Clinic
Department: OB-GYN
Pre-requisite: OBGN 531 or equivalent
Duration: 4 weeks; available all blocks
Number of Students: Maximum 1
Location: Queen's Medical Center
Program Director or Coordinator: Mark Hiraoka, M.D.

II. Objectives

1. To familiarize the student with everyday activities of Obstetric and Gynecology office practice.

2. Exposure to family planning, prenatal care and management of common gynecologic problems.

3. Emphasis will be placed on preparing the student who will be entering primary care to handle the usual problems that are encountered in general practice.

III. Method

The student will be assigned to work in the outpatient clinic under supervision of a Chief Resident and the Medical Director of the clinic. Students will see patients on a rotational basis and follow through with the diagnosis, appropriate tests and management. Specific topics will be assigned for review. No night call or weekend duty is required.

IV. Evaluation

The Resident and Faculty will evaluate the student's performance with emphasis on attitude, differential diagnosis, appropriateness of management, therapy, and follow up.
I. Descriptive Information

Title: OBGN 545-D Selected Topic: Family Planning
Department: OB/GYN
Pre-requisite: OBGN 531 or equivalent
Duration: 2-4 weeks; available in all blocks
Number of Students: Maximum – 1
Location: Kapiolani Medical Center for Women and Children
Program Director: Mark Hiraoka, M.D.
Course Director: Bliss Kaneshiro, M.D.

II. Objectives

This elective is designated to allow the student in consultation with Faculty to experience a Family Planning rotation at the level of a junior resident. This course is geared toward students with a special interest in Obstetrics and Gynecology and particularly Family Planning.

- The student will function as an independent care taker of Family Planning patients with direct supervision by residents and Faculty. All care plans, notes, and orders will be cosigned by a physician.
- The student will observe and participate in the outpatient care of patients with undesired pregnancies.
- The student will observe and participate in patients who request contraceptive counseling sessions.
- The student will observe and participate in medical and surgical abortion procedures.
- Students will learn to counsel patients effectively about contraceptives.
- The student will participate in the Family Planning clinic on Monday afternoons and Tuesday and Wednesday mornings.
- The student will learn to perform an obstetrical ultrasound examination in the first and second trimester.
- The student will attend all educational conferences attended by the Family Planning faculty and residents on the Family Planning rotation.

III. Method

- The student will be assigned to work in the University Women’s Health Specialists’ (Women’s Options Center) Clinic, Urgent Care Clinic and the Kapiolani Medical Center for Women and Children Operating Room under the supervision of a Family Planning Faculty physician. Students will see patients on admission and follow through with diagnosis, appropriate tests and management. Specific topics will be assigned for review. No night call or weekend duty is required.

IV. Evaluation

The Faculty will evaluate the student’s performance with emphasis on attitude, differential diagnosis, appropriateness of management and technical skills.
I. **Descriptive Information**

Title: OBGN 545-E  Maternal-Fetal Medicine  
Department: OB/GYN  
Pre-requisite: OBGN 531 or equivalent  
Duration: 4 weeks; available all blocks  
Number of Students: Maximum - 1  
Location: Kapiolani Medical Center for Women and Children, Fetal Diagnostic Center, Family Birthing Center, and High Risk Clinic, and other satellite sites as needed  
Faculty: Marguerite Lisa Bartholomew, M.D., Janet Burlingame, M.D., George Graham, M.D., Lynnae Sauvage, M.D, and Ivica Zalud, M.D.  
Program Director or Coordinator: Mark Hiraoka, M.D.  
MFM Rotation Course Director: Marguerite Lisa Bartholomew, M.D.

II. **Objectives**

This elective is designed to allow the student in consultation with Faculty to experience a Maternal Fetal Medicine rotation at the level of a junior resident. This course is geared toward students with a special interest in Obstetrics and Gynecology and particularly high-risk pregnancy problems.

1. The student will function as an independent care taker (consultative and ante partum care) of MFM patients with direct supervision by residents and Faculty. All care plans, notes, and orders will be cosigned by a physician.

2. The student will participate in the inpatient care of patients with common perinatal problems such as diabetes (pregestational and gestational), preeclampsia, preterm premature rupture of the membranes, preterm labor, systemic lupus erythematosus, multiple pregnancy, cardiac disease, etc.

3. The student will observe and participate in outpatient consultation for common perinatal problems.

4. The student will observe and participate in preconception counseling sessions.

5. The student will observe and participate in prenatal diagnosis, genetic counseling, and diagnostic procedures such as amniocentesis and chorionic villus sampling.

6. Students will learn to counsel patients effectively about common perinatal problems.

7. The student will participate in The High Risk Perinatal clinic every Monday morning.

8. The student will learn to perform an obstetrical ultrasound examination in each trimester and evaluate basic fetal anatomy.

9. The student will participate on call in labor and delivery.

10. The student will learn to interpret nonstress tests in the outpatient and inpatient setting.
11. The student will learn to interpret outpatient blood sugar levels and manage diet, exercise, insulin, metformin, and glyburide for women with diabetes in pregnancy.

12. The student will attend one Sweeter Choice Education Class and learn how to counsel diabetic patient about nutrition, home blood glucose monitoring, weight control, and exercise.

13. The student will perform at least one formal academic presentation in front of an audience.

14. The student will attend all educational conferences attended by MFM faculty and residents on the MFM rotation.

III. Evaluation

Evaluation will be performed by Faculty and Faculty Advisor.
I. Descriptive Information

Title: OBGN 545-F Selected Topic: Reproductive Endocrinology
Department: OB/GYN
Pre-requisite: OBGN 531 or equivalent
Duration: 2-4 week blocks; preceptor approval required prior to enrolling in elective
Number of Students: Maximum - 1
Location: Kapiolani Medical Center for Women & Children
Course Director: Thomas Kosasa, M.D.
Program Director or Coordinator: Mark Hiraoka, M.D.

II. Objectives

This elective is designed to allow the student, in consultation with a Faculty Advisor, to design a Reproductive Endocrinology/Infertility program.

This will allow some flexibility to the few students each year who recognize a need in their program which is not met by the other electives. Specific objectives will be formulated by the student and Faculty Advisor prior to the start of the program.

III. Method

To be discussed with the Faculty Advisor.

IV. Evaluation

Evaluation by Faculty Advisor.
I. Descriptive Information

Title: OBGN 545-G Selected Topic: Gynecologic Oncology
Department: OB-GYN
Pre-requisite: OBGN 531 or equivalent
Duration: 2-4 week blocks; preceptor approval required prior to enrolling in elective
Number of Students: Maximum - 1
Location: Kapiolani Medical Center for Women & Children, Queens Medical Center
Course Directors: Keith Terada, M.D., Michael Carney, M.D.
Program Director or Coordinator: Mark Hiraoka, M.D.

II. Objectives

This elective is designed to allow the student, in consultation with a Faculty Advisor, to design a Gynecologic Oncology learning program. Specific objectives will be formulated by the student and Faculty Advisor prior to the start of the program. Students will evaluate patients, participate in diagnosis, management, operative procedures and post op care.

Students will:

1. Evaluate patients, participate in the diagnosis, management, operative procedures and post-operative care.

2. Understand the management, both surgical and chemotherapeutic, of gynecologic cancer.

3. Learn the basis of gynecologic surgery.

4. Be able to manage complicated post-operative gynecologic oncology patients.

III. Method

To be discussed with the Faculty Advisor.

IV. Evaluation

Evaluation by Faculty Advisor.
CLINICAL PRECEPTORSHIP

I. Descriptive Information

Title: OBGN 545-H Clinical Preceptorship
Department: OB/GYN
Pre-requisite: OBGN 531 or equivalent, considering a career in Ob/Gyn
Duration: 2-4 weeks; preceptor approval required prior to enrolling in elective
Number of Students: Maximum 1 student per rotation per preceptor
Location: Variable
Program Director or Coordinator: Mark Hiraoka, M.D.

II. Objectives

To help give the student a better understanding of the field of Obstetrics and Gynecology, including its demands and rewards.

III. Method

The student will spend every day with the Faculty member. This will include hospital visits, surgery, delivery, and office practice. The student will be available nightly and on weekends.

IV. Evaluation

Evaluation by the Preceptor.
EXTRAMURAL ELECTIVES

I. Descriptive Information

Title: OBGN 545-I  Selected Topic: Extramural Electives
Department: OB/GYN
Pre-requisite: OBGN 531 or equivalent
Duration: 2-8 week blocks; may be combined with other elective proposals.
   Arrange with Preceptor/Mainland Institutions
Number of Students: Maximum - Variable
Location: Variable
Program Director or Coordinator: Mark Hiraoka, M.D.

II. Objectives

This elective is designed to allow the student to do a rotation at another institution, in consultation with a Faculty Advisor. It is designed to offer a different exposure to Obstetrics and Gynecology. It is the purpose of this option to allow flexibility to the few students each year who recognize a need in their program which is not met by the other electives. Specific objectives will be formulated by the student and Faculty Advisor prior to the start of the program.

III. Method

The methodology will vary depending upon rotation and Faculty Advisor.

IV. Evaluation

Evaluation by Faculty Advisor.
I. Descriptive Information

Title: OBGN 545-J Urogynecology and Pelvic Reconstructive Surgery
Department: OB/GYN
Pre-requisite: Credit in OBGN 531 or equivalent
Duration: 4-weeks; available in all blocks
Number of Students: Maximum – 1
Location: Kapiolani Medical Center for Women and Children and Queen’s Medical Center
Course Director: Ian Oyama, M.D.
Program Director: Mark Hiraoka, M.D.

II. Objectives

The student will gain a better understanding about the sub-specialty of urogynecology and pelvic reconstructive surgery through the following objectives.

1. understand the basic science of embryology, anatomy, and physiology as it applies specifically to urogynecology and pelvic reconstructive surgery
2. obtain a thorough history of pelvic floor disorders and perform a complete physical exam of the pelvis
3. understand the principles of diagnosis and treatment for urinary incontinence, urinary tract infections, pelvic pain disorders, pelvic floor fistulas, pelvic organ prolapse, and fecal incontinence.
4. understand the information that can be obtained through urodynamic evaluation

III. Method

This block of instruction will be managed much as a preceptorship. The student will be assigned to a member of the urogynecology faculty and will mirror his/her daily routines. The student will see patients in the offices, work up pre-operative patients, attend surgical procedures, make daily rounds and write appropriate progress notes. There will be no night or weekend call.

IV. Evaluation

The student will be evaluated by their preceptor(s) based upon basic and clinical science knowledge and professionalism in a narrative summary. Grades are assigned as “Credit/No Credit.”
I. Descriptive Information

Title: PATH 545-C  Anatomic Pathology  
Department: PATHOLOGY  
Pre-requisite: 3rd and 4th year status  
Duration: 2 to 6 weeks, available all blocks  
Number of Students: Varies with each facility  
Locations: Kaiser Permanente Medical Center  
Kapiolani Medical Center for Women and Children  
Queen's Medical Center.  
Program Director: Peter Bryant-Greenwood, M.D.

II. Objectives

1. Learn the role of the anatomic pathologist and other professional laboratory personnel so that the student will be able to utilize them effectively in clinical practice.

2. Utilize individual autopsy and surgical cases as a learning experience. In addition such cases will serve as a basis for student's presentations to clinical and pathology conferences along with pathology residents and staff.

III. Methods

1. Assist on performance of autopsies, examination of surgical pathology specimens and attend/participate in all anatomic pathology working and training conferences.

2. Rotate on working schedule with staff and resident pathologists.

3. No night call or weekend duty.

IV. Evaluation

Each student's performance will be assessed primarily by pathology staff/resident tutors. They will assess the quality of participation. In view of the scope of the course and limited time, each student will be expected to attend all sessions.

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I. Descriptive Information

Title: PATH 545-D Clinical Pathology
Department: PATHOLOGY
Pre-requisite: 3rd and 4th year status
Duration: 2 to 6 weeks, available all blocks
Number of Students: Varies with each facility
Locations: Kaiser Permanente Medical Center
                   Queen's Medical Center
Program Director: Peter Bryant-Greenwood, M.D.

II. Objectives

1. Learn the role of a clinical pathologist and other professional personnel including clinical chemists, clinical microbiologists, medical technologists and technicians so that the student will be able to utilize them effectively in clinical practice.

2. Review and consult on individual cases in hematology, microbiology, chemistry, and immunology along with the pathology residents and staff. Such cases will provide a basis for learning experiences and will be used for presentations to clinical and pathology conferences with the pathology residents and staff.

III. Methods

1. Rotate in clinical laboratory sections including hematology, clinical chemistry, blood bank, and microbiology sections; assist on all clinical laboratory consultations.

2. Attend all clinical laboratory working and training conferences.

3. Rotate on working schedule with staff and resident pathologists.

4. No night call or weekend duty.

IV. Evaluation

Each student's performance will be assessed primarily by pathology staff/resident tutors. They will assess the quality of participation. In view of the scope of the course and limited time, each student will be expected to attend all sessions.
I. **Descriptive Information**

Title: PEDS 545-B Adolescent Medicine  
Department: PEDIATRICS  
Pre-requisite: Credit Pediatrics 531  
Duration: 4 weeks, available all blocks  
Number of Students: Maximum - 1  
Location: Kapiolani Medical Center for Women and Children, Community Resources, Tripler Army Medical Center and Kaiser-Honolulu Clinic  
Program Director or Coordinator: Robert Bidwell, M.D.

II. **Objectives**

1. To gain experience in the diagnosis and management of the medical and psychosocial problems of adolescent patients.

2. To understand that an adolescent's health is determined a significant degree by familial, community and societal factors.

3. To develop an appreciation for the special needs of the adolescent patient and to learn the skills necessary to provide good health care to this age group.

4. To become comfortable in working with the adolescent patient in his/her developmental path toward adulthood.

III. **Method**

Students will be evaluating patients in Adolescent Clinics at Kapiolani Medical Center, Kaiser Permanente and Tripler Army Medical Center under the supervision of an attending physician. They will be instructed in interview techniques with teenagers and the basic topics of adolescent medical and psychosocial health. They will be participating in clinics at the Hawaii Youth Correctional Facility, Detention Home, the Sex Abuse Treatment Center and other related programs. They also will be expected to attend departmental activities such as conferences and grand rounds related to adolescent health.

IV. **Evaluation**

Feedback to the student will be provided periodically throughout the rotation and in a written form at the end. Feedback will also be requested of the student related to their experience in the rotation and ways in which the rotation might be improved.
I. Descriptive Information

Title: PEDS 545-C Ambulatory Pediatric Care
Department: PEDIATRICS
Pre-requisite: Credit Pediatrics 531
Duration: 4 weeks, available all blocks.
Number of Students: Maximum - 1
Location: Kapiolani Medical Center for Women and Children, Pediatric Outpatient Clinic
Pediatric Clinic Medical Director: William Moore, M.D.

II. Objectives:

1. The program will provide the necessary patient population and educational resources to teach elective students the diagnosis and management of common, acute and episodic problems encountered in a general pediatric practice.

2. The elective student will acquire a basic understanding of prenatal counseling, health maintenance, anticipatory guidance, and preventive pediatric care.

3. The elective student will develop those skills necessary to recognize pediatric emergencies and to respond to initial management of such problems.

III. Method:

Elective students will be assigned to the pediatric outpatient clinic at Kapiolani Medical Center for Women and Children. In addition, they may have opportunities to observe community primary care health centers, i.e. Waimanalo, and Kokua Kalihi Valley. The students will see unassigned patients under the supervision of an attending physician and make diagnostic and therapeutic decisions. They will also participate in health maintenance/well-child visits along with a senior clinic resident designated by the clinic attending. There is no formal night call.

IV. Evaluation

A written evaluation will be discussed with the student and submitted to the Student Affairs Office at the end of the elective training.
CLINICAL GENETICS

I. Descriptive Information

Title: PEDS 545-E Clinical Genetics
Department: PEDIATRICS
Pre-requisite: Credit Pediatrics 531
Duration: 4 weeks, available all blocks except July (Block A).
Number of Students: Maximum – 1 per month (2 with permission)
Location: Hawaii Community Genetics, Kapiolani Medical Center for Women and Children, Queen’s Medical Center, Shriners Hospital
Program Director or Coordinator: Laurie H. Seaver, MD

II. Objectives:

1. To identify key concepts related to common patterns of inheritance (autosomal dominant and recessive, X-linked, mitochondrial, multifactorial,).
2. To identify common referral reasons for newborn, pediatric, adult and prenatal genetic evaluation.
3. To describe common methods of genetic diagnosis, including molecular, cytogenetic and biochemical testing.
4. To identify internet resources for further information regarding genetic conditions.
5. To perform a thorough physical examination with emphasis on identifying major and minor congenital anomalies which may be signs of underlying genetic syndromes.
6. To collect an appropriate family history for common genetic disorders.
7. To recognize urgent and/or severe conditions related to genetics and inherited metabolic disorders.
8. To describe the laboratory evaluation for a child with a suspected inborn error of metabolism.
9. To recognize the role of the Newborn Metabolic Screening program, the types of disorders screened for in Hawaii, appropriate resources, and appropriate follow up of a positive newborn screen.
10. To describe the indications for prenatal genetic counseling, prenatal screening tests, techniques utilized for prenatal diagnosis including limitations and risks, as well as reproductive options and issues related to pregnancy termination.

III. Method:

A four week elective that involves evaluation and follow up of neonates, children and adults with known or suspected genetic conditions including chromosome disorders, single and multiple birth defects, single gene disorders, teratogenic disorders, hemoglobinopathies and inborn errors of metabolism. The elective rotation will include exposure to both inpatients and outpatients. Patients may be seen at the HCG clinic, Queen’s Comprehensive Genetic Center, KMCWC, QMC and Shriners Hospital. The student will work closely with a team including medical geneticist, genetic nurse, genetic counselor and metabolic nutritionist. There are also
opportunities to work independently conducting literature and genetic database searches, a syndrome identification project and end-of-rotation special topic (chosen by student) presentation to the genetic team (10-15 minutes). The student will attend genetic lectures given by members of the genetic team to medical students, residents or other audiences when appropriate.

IV. Evaluation

Performed at the conclusion of the rotation by the preceptor with input from other team members. Feedback will also be given throughout the rotation as appropriate.
I. Descriptive Information

Title: PEDS 545-F Neonatology, NSCU/NSCU
NSCU A- intensive care elective;
NSCU B- level II care elective
Department: PEDIATRICS
Pre-requisite: Credit Pediatrics 531 or equivalent
Duration: 4 weeks, available all blocks, preferably starting on a Monday
Number of Students: 1 each in each track
Location: NSCU, Kapiolani Medical Center for Women and Children
Program Director or Coordinator: Sherry W.H. Loo, M.D.

II. Objectives:

1. To develop an understanding for the general problems that occur in the NSCU, i.e. care of the extremely premature infant and the spectrum of problems facing infant and family, especially the necessity and stresses of a prolonged hospitalization.

2. To appreciate the multidisciplinary team care approach in the NSCU, and the value of all members involved in the care of infants and their families.

3. To acquire an appreciation of the role of the NSCU in a tertiary center involved in the transport of sick infants, outreach education, telephone consultation 24 hours a day, training of health care team members at various levels of education-student, practitioner, resident, advanced practice; and coordination of specialty consultation for the family.

4. To acquire technical and diagnostic skills in the assessment and treatment of neonatal problems, viz. Respiratory distress and ventilator management, birth asphyxia, congenital anomalies, sepsis neonatorum, intraventricular hemorrhage, enteral and parenteral nutrition, nosocomial infection, chronic lung disease in the preterm infant, persistent pulmonary hypertension of the newborn; fluid and electrolyte management of the premature, newborn screening, and long-term outcomes.

5. To develop an appreciation of family centered care in the NSCU, the evolution of developmentally supportive care in the NSCU, and the areas of major progress and major obstacles in neonatal intensive care.

6. To provide specific experience with the late preterm infant, experience in discharging planning, and familiarity with management of long term complications of extremely low birth weight infants: e.g. ROP, NEC, posthemorrhagic ventricular dilatation, cholestatic jaundice.

III. Method:

1. Subinternship is encouraged as the most fruitful experience to attain the stated objectives. This would include taking call with a resident rotating through the NSCU, making rounds, writing orders, family meetings, etc.
2. All students will be under the direct supervision of the faculty and housestaff physicians. Night call will be approximately once a week, varying around resident night call and may also include some weekends. Schedules can be individualized with the attending as resident coverage is variable at different times of the year.

IV. Evaluation

Ongoing feedback to the student will be provided by the faculty and housestaff throughout the rotation. A written evaluation will be completed and sent to the Student Affairs Office at the end of the rotation. The attending physicians during the elective period will be responsible for student evaluation.
I. Descriptive Information

Title: Peds 545-G Pediatric Cardiology
Department: PEDIATRICS
Pre-requisite: Credit Pediatrics 531
Duration: 4 weeks, available all blocks
Number of Students: Maximum - 2
Location: Kapiolani Medical Center for Women and Children
Program Director or Coordinator: Venu Reddy, M.D.

II. Objectives

1. To acquire clinical skills in the diagnosis and management of congenital and acquired heart disease in children and adolescents.

2. Develop basic knowledge in the use of diagnostic modalities such as EKG, X-ray, echocardiography and catheterization data in the evaluation of heart disease in children.

3. To better understand the Pathogenesis of cardiovascular disorder and improve the techniques of counseling patients and their families with cardiovascular disorders and innocent heart murmurs.

4. Exposure to pediatric cardiac surgery and experience with post-operative management of cardiac patients.

III. Method

Students will see patients in the program director's office or in the KMCWC Pediatric Cardiology Clinic on a one-to-one basis in a tutorial learning experience. After such initial experience patients will be assigned to the student for work up. After evaluation, student will present the case to the program director and the patient will be seen jointly and discussed with review of any labs such as EKG, chest x-ray and echocardiography. Student will participate observing cardiac catheterization and open heart surgery when possible. Topics in pediatric cardiology will be assigned to the students for study. These topics may include cyanotic and acyanotic congenital heart disease, congestive heart failure, cardiomyopathy, cardiac arrhythmias, rheumatic fever and others. After preparing the topics from pediatric cardiology texts and journals, student will present and discuss with program director.

IV. Evaluation

Ongoing discussions with each student will provide feedback. A written evaluation with multiple choice questions will be provided to the student.
I. Descriptive Information

Title: PEDS 545-H Pediatric Emergency Medicine  
Department: PEDIATRICS  
Pre-requisite: Completion of Third Year  
Duration: 4 weeks  
Number of Students: Maximum - 2  
Location: Pediatric Emergency Department, Kapiolani Medical Center for Women and Children  
Program Director: Alson S. Inaba, M.D. (PALS – National Faculty)

II. Objectives

1. To acquire the ability to systematically assess and manage common problems that present to a Pediatric Emergency Department: cardiopulmonary resuscitation, medical emergencies, surgical emergencies, trauma, toxicology, orthopedics and wound care.

2. To learn the pathophysiologic principles involved in the assessment and stabilization of any acutely ill child.

3. To be able to quickly establish a differential diagnosis based on the history and the physical examination.

4. To gain experience in those technical skills and procedures, i.e., intubation, vascular access techniques, wound care, suturing, lumbar puncture, splinting, etc., which are required in the management of acutely ill children.

5. To learn proper documentation of the ED assessment, management and follow-up of patients from both the medical and legal standpoints.

III. Method

This four-week, exciting and fast-paced elective in Pediatric Emergency Medicine is designed for those students who are considering careers that involve the care of children with acute illnesses (Pediatrics, Emergency Medicine, Family Medicine, Surgery and Medicine-Pediatrics). Students will be given the opportunity to utilize a syllabus of selected topics from the field of Pediatric Emergency Medicine. Each day there are multiple opportunities for one-on-one case discussions and other didactic sessions with the Attending Physician. Each student is required to do 14 - 15 shifts during this 4-week elective. The exact dates and times of these shifts will be arranged through the Program Director.

IV. Evaluation

Ongoing feedback to the student will be provided by all of the ED Attending faculty on a daily and weekly basis. A composite written evaluation will be provided to the Student Affairs Office upon completion of the rotation. In addition to this written evaluation, a one-on-one feedback session will also be provided by the Program Director upon request.
I. Descriptive Information

Title: PEDS 545-I Pediatric Hematology/Oncology
Department: Pediatrics
Pre-requisite: Credit Pediatrics 531
Duration: 4 weeks
Number of Students: Maximum - 1
Location: Kapiolani Medical Center for Women and Children
Director or Coordinator: Darryl Glaser, M.D.

II. Objectives:

1. To acquire skills in evaluating and treating inpatient pediatric hematology and oncology patients and consults.

2. To develop skills in evaluation and ongoing treatment of hematology and oncology patients in the outpatient clinic.

3. To develop clinical laboratory skills pertaining to pediatric hematology and oncology.

4. To participate as a member of the comprehensive pediatric oncology team care unit overseeing the total care of each patient followed at this medical center.

III. Method:

The hematology/oncology student will see in-patients daily with the Attending Physician. All appropriate laboratory material will be viewed daily on the ward or in pathology as dictated. The student will participate daily in ongoing care and evaluation of hematology/oncology patients in the clinic, and will assist with consultation services. They have the option of rotating through related areas such as blood bank, pathology, and radiation oncology. The student will assist in blood drawing through catheters and perform bone marrow, spinal taps and other diagnostic studies during the rotation.

IV. Evaluation:

Ongoing feedback to the student will be provided by the program director and the oncology team throughout the student's rotation. A written evaluation is provided to the Student Affairs office at the end of the rotation and will be available for review by the student.

Revised December 2006
I. Descriptive Information

Title: PEDS 545-J Pediatric Infectious Diseases
Department: Pediatrics
Pre-requisite: Credit Pediatrics 531
Duration: 4 weeks, available all blocks except July (Block A)
Number of Students: Maximum - 2
Location: Kapiolani Medical Center for Women and Children
Program Director: Marian Melish, M.D.

II. Objectives

1. To acquire skills in diagnosis and treatment of pediatric patients with a variety of infectious diseases.

2. To develop increased body of knowledge about clinical microbiology and infectious diseases.

3. To increase skills in the critical evaluation of medical literature by doing in-depth research on specific multiple topics.

4. To develop skills in communication of scientific information to others in the health care professions through consultations on individuals, informal and formal rounds and teaching conferences.

III. Method

A four-week elective which involves evaluation and follow-up of patients with a variety of infectious diseases seen as inpatients and outpatient services at Kapiolani Medical Center for Women and Children and Shriner's Hospital. Students will be expected to work closely with faculty members and house staff in evaluation and care of patients and to work independently in literature and/or laboratory research in multiple major topics in Infectious Diseases. Independent patient evaluations, twice daily rounds with preceptor and participation in teaching conferences is expected. Students will be expected to present one topic in-depth at the Pediatric Infectious Disease Conference.

IV. Evaluation

Will be performed at the conclusion of the rotation by the major preceptor with input from all the course faculty when appropriate. This narrative evaluation will be sent to the Student Affairs Office and is available for review by the students.

Revised January 2004
SUB-INTERNSHIP IN PEDIATRICS – GENERAL WARD PEDIATRICS

I. Descriptive Information

Title: PEDS 545-K Sub-Internship in Pediatrics - General Ward Pediatrics
Department: PEDIATRICS
Pre-requisite: Credit Pediatrics 531
Duration: 4 weeks; available all blocks
Number of Students: Maximum - 4
Location: Kapiolani Medical Center for Women and Children
Program Director: Daniel Murai, M.D., and Pediatric Chief Resident
Department Chairperson: Raul Rudoy, M.D.

II. Objectives:

1. To acquire skills in evaluation of pediatric inpatients admitted to the ward service. This includes performance of a thorough, yet efficient history and physical examination.

2. To broaden knowledge of inpatient pediatric problems. This is accomplished through learning from each individual case through direct patient care, observation, case discussion with residents and faculty, and reviewing the literature.

3. To learn more about appropriate use of diagnostic modalities including laboratory studies, radiology, pathology, etc.

4. To learn about appropriate consultation of pediatric sub-specialty physicians for evaluation of complicated problems.

5. To acquire skills in working as a member of a health care team including house staff, hospitalists, private physicians, nursing staff, and other hospital support personnel.

III. Method:

The ward sub-intern will function as an integral part of the house staff being assigned to the ward teams. Sub-I will be responsible for working up and coordinating the care of a variety of inpatients. The student is assigned admissions in rotation with interns and other sub-interns. Sub-I will be under direct supervision of one of the ward senior residents (PL-II or PL-III) but will communicate directly with hospitalists and private physicians. Sub-I is responsible for completing detailed H & P's on all patients admitted to the service, communicating daily assessments and plans with the team, communicating with any consultants, for writing daily progress notes and otherwise following the clinical progress of these patients. Night call is taken every fourth night with the designated team. The student also participates in daily rounds and teaching conferences with the house staff.

IV. Evaluation

Ongoing feedback is provided by the senior resident, Chief Resident and other members of the ward team. There is no written or oral examination. A narrative written evaluation is provided to the Student Affairs Office at the end of the rotation and is available for review by the student.

Revised December 2006

PEDS 545-K

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I. **Descriptive Information**

Title: PEDS 545-M Extramural Elective in Pediatrics  
Department: Pediatrics  
Pre-requisite: Completion of year 3, any student seeking such an elective needs pre-approval by the department  
Duration: 4 weeks  
Number of Students: varies  
Location: Outside of Hawaii  
Program Director or Coordinator: Raul Rudoy, M.D., M.P.H.  
Direct Inquiries to Dr. Rudoy at 983-8387

II. **Objectives**

The overall objective is to provide students the ability to take an away rotation with content or format which is not covered by 545B-K.
I. **Descriptive Information**

Title: PEDS 545-N PEDIATRIC RHEUMATOLOGY  
Department: Pediatrics  
Pre-requisite: Completion of year 3  
Duration: 4 weeks  
Number of Students: One, maximum  
Program Director or Coordinator: David Kurahara, M.D.  
Program staff: Kara Yamamoto, M.D.  
Direct Inquiries to Tina at 983-8387  
Location: Kapi'olani Medical Center for Women and Children-Kapi'olani Children’s Specialty Center  
Shriner's Hospital for Children--Honolulu Unit

I. **Objectives**

1. To gain an understanding of Pediatric Rheumatologic illness from both an outpatient and inpatient perspective.  
2. To improve skills in joint examination relating to Rheumatologic disease and overuse syndromes commonly seen in children.  
3. To develop an understanding of the use of laboratory tests in the Rheumatologic illness for diagnosis and prognostic purposes.

II. **Method**

A four week elective which involves evaluation and follow-up of children with Rheumatologic illness. This includes a variety of disorders, including Juvenile Rheumatoid Arthritis, Systemic Lupus Erythematosus, Acute Rheumatic Fever, Fibromyalgia, and other Vasculitides. Work ups include both established patients in follow-ups and new patients referred to the service. Students will work closely with faculty members in patient evaluation, but will also work independently in literature or laboratory research in major topics related to Rheumatology. Students will be expected to participate in a scholarly endeavor or their choice, which can range from participating in a research project or presenting a topic of a Rheumatologic illness in-depth to faculty members toward the end of the rotation.

III. **Evaluation**

Will be performed at the conclusion of the rotation by the preceptor with input from faculty members as appropriate. Ongoing feedback will also be given throughout the student's rotation.
I. Descriptive Information

Title: PEDS 545P Developmental Behavioral Pediatrics
Department: PEDIATRICS
Prerequisite: Credit Core Pediatrics rotation (Pediatrics 531 or equivalent)
Duration: 4 weeks, available all blocks
Number of students: Maximum - 1
Location: Development-Behavioral Pediatrics Clinics, selected School and Early Intervention sites, Therapy, and Developmental Disabilities Programs
Program Director: Jeffrey Okamoto, M.D.
Program Staff: Beppie Shapiro Ph.D., Mari Uehara M.D., DBP Fellow

II. Objectives

1. To increase understanding of the medical role for physicians around children with chronic illness, special needs, and disabilities. This would include identification and management (including appropriate referrals) of these health issues in these children.

   Examples of important conditions the student are expected to become familiar with are:
   a. Children with physical disabilities, for example, cerebral palsy and spina bifida;
   b. Children with developmental disabilities, for example mental retardation and autism;
   c. Children with behavioral and mental health problems, for example, Attention Deficit Hyperactivity Disorder and Oppositional Defiant Disorder;
   d. Children with chronic illness causing school issues, for example, epilepsy, leukemia and asthma; and
   e. Children with complex technological needs transitioning to school.

2. To acquire the ability to work fluidly with early intervention systems around children with medical and mental health issues. To be involved as the health consultant in IFSP teams creating plans for these children.

3. To be able to access special education resources including therapy (occupational, physical, and speech language), mental health, and nutritional services around children identified with special needs.

4. To have knowledge of federal mandates in special education in order to optimize connecting children identified with health problems to appropriate early intervention and special education services.

5. To disseminate medical information perceived by early intervention and school systems to be important to their staff and children.

6. To learn ways of interacting with special education, school and/or disability resources in future practice.

7. To understand problems for individuals with developmental disabilities as adults in order to provide improved services for children with these conditions.
III. Method

Students will be provided with an orientation packet, which informs them of activities and assignments for the elective. The program director and staff will introduce the student to children with various conditions and disabilities within selected early intervention (E.I.), developmental disabilities division (DDD) and school environments. The student will interact with health, school, DDD case managers, and E.I. staff (primary care provider, teachers, school nurses and aides, therapists, and other specialists) in order to learn comprehensively about access to and provision of services for these children. The student will create reports regarding each child after discussions with staff, direct observation of the child, and review of records (child study encounter). Discussion and routine debriefing with program staff will facilitate further understanding.

Mini talk preparation and presentations to E.I. and program staff and involvement with Developmental Behavioral Pediatric clinics all facilitate learning in this elective. Pediatric residents, Developmental/Behavioral Pediatric fellows and Attending Physicians all participate in teaching the student in the various contexts. Involvement with research initiatives is available.

IV. Evaluation

A pretest and posttest is given to all students taking the elective. Ongoing debriefing and feedback to the student will be provided by the program director and project staff on a at least weekly basis. A written evaluation will be provided by the student affairs office at completion of the elective.
I. **Descriptive Information**

Title: PSTY 545-C  Child Psychiatry  
Department: PSYCHIATRY  
Pre-requisite: Psychiatry 531 or 532 and 4th year standing  
Duration: Four (4) weeks, all blocks  
Number of Students: Maximum - 2  
Location: The Queen's Medical Center  
Program Director or Coordinator: Cathy Bell, M.D.  

II. **Objectives:**

1. Diagnosis, management and prevention of common emotional/behavioral disorders in children and families.

2. Normal growth and development with emphasis on cognitive and psychosocial development.

3. Appropriate utilization of various disciplines and agencies for consultation and referral.
   a. Social work  
   b. Psychology  
   c. Psychiatry  
   d. Occupational therapy  
   e. Speech/language/hearing  
   f. DHS/Family Court  
   g. DOH (Dept. of Health)  
   h. DOE (Dept. of Education)

4. Interviewing techniques.

III. **Method:**

Observation and participation in evaluations and treatment of children and families by the various disciplines; participation in case conferences; individualized supervision; seminars (conferences, lectures); films (videotapes); literature.

The degree of case responsibility will depend on the medical student's prior expertise. Special interests will be discussed and accommodated, if possible and feasible.

IV. **Evaluation**

Supervisory observation; written evaluation of medical students by instructors; written program evaluation by medical students; chart review.
PSYCHIATRIC ASPECTS OF MEDICINE, SURGERY, OB/GYN, AND/OR PEDIATRICS

I. Descriptive Information

Title: PSTY 545-G Psychiatric Aspects of Medicine, Surgery, Ob/Gyn, and/or Pediatrics
Department: PSYCHIATRY
Pre-requisite: Psychiatry 531 or 532 and 4th year standing
Duration: 4 weeks, available all blocks (taken concurrently with Med/Surg/Ob/Peds elective)
             Counted as 1 week (1 Credit)
Number of Students: Maximum - 5
Location: Any of the clinical settings available to fourth year students.
Program Director or Coordinator: Jon Streltzer, M.D. and Staff

II. Objectives:

To acquire knowledge of the psychiatric aspects of medical practice in the various specialties.
To learn to evaluate psychosocial contributions to health and disease and psychosocial effects
of disease. To learn skills for managing manipulative patients, angry patients, depressed
patients, compliance problems, dying patients, families of medical patients, anxious patients and
other specific psychological aspects of the relevant medical specialties.

III. Method:

Students enrolled in other medical clerkships or electives will spend an additional one hour with
supervisors from the department of Psychiatry each week. This will provide the student with an
opportunity to review the psychosocial aspects of the patients in the given medical specialty.
Supervision will focus not only on increasing understanding but also application of this
understanding into therapeutic strategies designed to elicit the best possible medical outcome.
Supervisors may occasionally interview patients with the student. These supervision sessions
may be supplemented by selected readings.

IV. Evaluation

Evaluation will be based on participation and level of understanding of psychosocial issues.
I. **Descriptive Information**

Title: PSTY 545-H Sub-Internship in Adult Psychiatry  
Department: PSYCHIATRY  
Pre-requisite: Psychiatry 531 or 532 and 4th year standing  
Duration: 4 weeks, all blocks  
Number of students: Maximum - 2  
Location: Queen's Medical Center – Kekela Ward  
Program Director or Coordinator: Chad Koyanagi, M.D.

II. **Objectives**

1. To strengthen skills in psychiatric evaluation and diagnosis.

2. To learn and gain experience in the management of psychiatric inpatients, the psychopharmacologic treatment of major psychiatric disorders, and short-term, goal-directed, supportive psychotherapy.

III. **Method**

Students will be assigned to the inpatient service at the Queen's Medical Center-Kekela ward. Faculty or residents on the ward will provide day to day supervision. The coordinator will oversee the supervision, and provide direct tutorial input to the student. Student will participate in any ongoing seminars or conference.

IV. **Evaluation**

Students will receive ongoing feedback on their performance and will have an evaluation conference with the coordinator at the end of the sub-internship. Written evaluations of the student and of the experience (by the student) will be developed.

Revised December 2008

PSTY 545-H
ADDICTION MEDICINE

I. Descriptive Information

Title: PSTY 545-I Addiction Medicine  
Department: PSYCHIATRY  
Pre-requisite: Psychiatry 531 or 532 and 4th year standing  
Duration: 4 weeks, available all blocks  
Number of Students: Maximum - 2  
Location: Queen's Medical Center, Tripler Army Medical Center  
Program Director or Coordinator: William Haning III, M.D. in collaboration with other addiction staff and addiction fellows (PGY 5).

II. Objectives:

To develop clinical competence in prospective primary care physicians and psychiatrists in the evaluation, diagnosis and treatment of individuals with substance use disorders.

III. Method:

Under the supervision of Dr. Haning and Addiction Psychiatry resident, students will be responsible for medical and psychiatric evaluation, diagnosis, and treatment of patients with substance abuse disorders. In addition to participating in daily group therapy sessions and teaching rounds, they will participate in consultations. Students will be expected to visit community agencies concerned with substance abuse. They will be given selected readings from the literature and will have an opportunity in weekly supervision sessions to discuss these in depth as applicable to their patients. Involvement in statewide and institutional planning sessions for dual diagnosis is anticipated. The rotation includes a minimum of four (4) training conferences per week, of which two (2) are patient centered.

IV. Evaluation

Individual performance evaluation by faculty members at conclusion of rotation. Student critique of rotation and faculty is required.
I. **Descriptive Information:**

   Title: PSTY 545-M Consult-Liaison Psychiatry
   Department: PSYCHIATRY
   Pre-requisite: Psychiatry 531 or 532 and 4th year standing
   Duration: 4 weeks, available all blocks
   Number of students: Maximum - 1
   Location: The Queen’s Medical Center
   Program Director or Coordinator: Junji Takeshita, M.D. and Brett Lu, M.D.

II. **Brief Description:**

   The student will see medical and surgical inpatients requiring psychiatric consultation.

III. **Objectives:**

   The student will learn to manage behavioral disorders in a general medical setting. Typical diagnoses include delirium, dementia, depression, substance abuse and chronic pain. There is an emphasis on psychopharmacologic treatment. The student will also learn to assess patients for decisional capacity. This rotation is geared for future primary care physicians as well as psychiatrists.

IV. **Method:**

   The student will be assigned patients to be seen with the psychiatry resident and attending.

V. **Evaluation:**

   The final evaluation will be a composite of feedback from residents and faculty members.
I. Descriptive Information:

Title: PSTY 545-Q Geriatric Psychiatry
Department: PSYCHIATRY
Pre-requisite: Psychiatry 531 or 532 and 4th year standing
Duration: 4 weeks, available all blocks
Number of students: Maximum -1
Location: The Queen's Medical Center and various nursing home settings.
Program Director or Coordinator: Brett Lu, M.D. and Iqbal Ahmed, M.D

II. Brief Description:

The medical student will see geriatric patients who require psychiatric evaluation/treatment. The settings involved will be inpatient, outpatient, and nursing homes.

III. Objectives:

The student will learn about psychiatric care of the elderly with particular emphasis on evaluation and psychopharmacology of dementias, delirium and depressive disorders. In addition, the student will learn about collaborative care of elderly involving working with geriatric medicine team.

IV. Method:

The student will evaluate/follow geriatric patients in conjunction with the geriatric psychiatry resident and attending. Supervision will involve the geriatric psychiatry resident and attending. Readings will be patient-centered.

V. Evaluation:

The evaluation will be based on attending and resident feedback.
I. Descriptive Information

Title: PSTY 545-T Mental Health Research
Department: PSYCHIATRY
Pre-requisite: Psychiatry 531 or 532
Duration: 4 to 8 weeks, available all blocks
Number of students: Maximum – 2
Location: UH-JABSOM Department of Psychiatry
Program Director or Coordinator: Anthony Guerrero, M.D.

II. Objectives

To appreciate the importance of mental health research in advancing the clinical care of underserved populations. To become familiar with ethical issues in research. To gain experience in mental health research methodology, including: study design, data collection and management, and statistics.

III. Method

Under the supervision of Dr. Guerrero and collaborating faculty in the Department of Psychiatry's Research Division, students will receive advanced instruction in the theory and methods of mental health research and will have supervised participation in one of the many research projects within the Department of Psychiatry, with an emphasis on mental health in Hawai‘i and the Pacific Basin. Instruction methods will include small discussion groups, individual mentorship, and directed reading and research.

IV. Evaluation

Students will rate their progress in meeting the stated objectives of this course and will be provided with ongoing individual feedback from course faculty. Students will be expected to produce a written scholarly product by the end of the course. A written evaluation of the student’s performance will be completed at the end of the course.
I. Descriptive Information

Title: SURG 545-B Surgical Specialty - Urology
Department: SURGERY
Pre-requisite: Surgery 531 or 532
Duration: Two (2) or four (4) weeks
Number of Students: Dependent on availability of preceptors
Program Coordinator: Dr. D. Gary Lattimer

II. Objectives

This block of instruction is designed to give the student an added exposure to the field of urology. This will be an experience on a broader and more involved plane than the student was exposed to in his/her third year yet will still be given with the premise that the student is seeking knowledge in this field in order to perform more effectively as a "generalist" and is not necessarily interested in urology as a career.

III. Method

This block of instruction will be managed as a preceptorship. The student will be assigned to a member of the urology faculty and will mimic his/her daily routines. The students will see patients in the offices, work up pre-operative patients, attend the surgical procedures, make daily rounds and write appropriate progress notes. There is no mandatory night or weekend call.

IV. Evaluation

Students will be evaluated by their preceptor(s) based upon basic and clinical science knowledge and professionalism in a narrative summary. Grades are assigned as “Credit/No Credit.”
I. Descriptive Information:

Title: SURG 545-C Surgical Specialty - Ophthalmology
Department: SURGERY
Pre-requisite: Surgery 531 or 532
Duration: Two (2) or four (4) weeks
Number of Students: Dependent on availability of preceptors
Program Coordinator: Dr. Malcolm Ing

II. Objectives:

This block of instruction is designed to give the student an added exposure to the field of ophthalmology. This will be an experience on a broader and more involved plane than the student was exposed to in his/her third year yet will still be given with the premise that the student is seeking knowledge in this field in order to perform more effectively as a "generalist" and is not necessarily interested in ophthalmology as a career.

The students should attempt to achieve the following goals by the end of their elective period:

1. Competently and confidently perform the minimum ophthalmoscopic exam:
   Identify and evaluate pathologic findings of the optic disc.
   Identify and evaluate pathologic findings among the vascular arcades.
   Identify and evaluate pathologic findings within the macula.

2. Understand the ocular manifestations of Diabetes and management options:
   Identify the subjective symptoms of retinopathy and risk factors for visual loss.
   Recognize the presence of diabetic retinopathy (non-proliferative vs. proliferative).
   Recognize the signs suggestive of macular edema.
   Know the protocol for screening and appropriate exam routines.
   Understand the current laser and medical treatments commonly employed.

3. Understand the ocular manifestations of Age-Related Macular Degeneration:
   Identify the risk factors.
   Recognize subjective symptoms.
   Recognize macular findings that suggest and diagnose ARMD.
   Understand the current laser and medical treatments commonly employed.

4. Understand the pathophysiology and ocular manifestation of glaucoma:
   Identify the major risk factors.
   Recognize the classic optic disc pathology with the ophthalmoscope.
   Recognize the classic glaucomatous visual field changes.
   Understand the current laser and medical treatments commonly employed.

Optional additional learning objectives include: (you may request focused learning).

1. Recognizing and diagnosing cranial nerve palsies CN III, CN IV and CN VI.

2. Recognizing the afferent pupil defect (Marcus Gunn pupil) and its evaluation.

3. Recognizing the pattern of visual field defects (from pre-chiasmal to post-chiasmal to posterior tract).
4. Diagnosing and treating conjunctivitis and the red eye.

5. Diagnosing and treating corneal abrasions.

6. Learning to competently use the slit lamp biomicroscope.

7. Learning ocular manifestations of hypertension, thyroid disease, and AIDS.

8. Learning the most current diagnostic and treatment modalities for temporal arteritis (Giant Cell Arteritis).

9. Learning to perform the pediatric and motility exams.

10. Understanding the surgical treatments for pediatric and adult strabismus.

11. Learning and performing minor surgical techniques for removing skin lesions and repairing wounds of the face and periorbital region (including anesthetic nerve blocks).

12. Learning mechanism of action and side effects for common topical eye meds.

13. Learning and observing the current surgical treatments for cataracts and retinal detachments.

14. Learning and observing oculoplastic surgeries.

LEARNING IS UNLIMITED ON THIS ELECTIVE: active participation, reading, and interaction with staff MD’s is encouraged for your maximum learning experience. Design your own additional learning objectives and we’ll help you achieve them.

III. Method:

This block of instruction will be managed much as a preceptorship. The student will be assigned to a member of the ophthalmology faculty and will mirror his/her daily routines. The students will see patients in the offices and attend the surgical procedures. There will be no night or weekend call schedule.

IV. Evaluation:

Students will be evaluated by their preceptor(s) based upon basic and clinical science knowledge and professionalism in a narrative summary. Grades are assigned as “Credit/No Credit”.

Revised January 2007
OTOLARYNGOLOGY

I. Descriptive Information

Title: SURG 545-D Surgical Specialty - Otolaryngology
Department: SURGERY
Pre-requisite: Surgery 531 or 532
Duration: Two (2) or four (4) weeks
Number of Students: Dependent on availability of preceptors
Program Coordinator: Dr. Alfred Liu

II. Objectives

This block of instruction is designed to give the student an added exposure to the field of otolaryngology. This will be an experience on a broader and more involved plane than the student was exposed to in his/her third year yet will still be given with the premise that the student is seeking knowledge in this field in order to perform more effectively as a "generalist" and is not necessarily interested in otolaryngology as a career.

III. Method

This block of instruction will be managed much as a preceptorship. The student will be assigned to a member of the otolaryngology faculty and will mirror his/her daily routines. The students will see patients in the offices, work up pre-operative patients, attend the surgical procedures, make daily rounds and write appropriate progress notes. There will be no night and weekend call schedule.

IV. Evaluation

Students will be evaluated by their preceptor(s) based upon basic and clinical science knowledge and professionalism in a narrative summary. Grades are assigned as “Credit/No Credit.”
PLASTIC SURGERY

I. Descriptive Information

Title: SURG 545-E Surgical Specialty- Plastic Surgery
Department: SURGERY
Duration: 2 weeks
Number of students: 1
Program coordinator: Dr. F. Don Parsa

II. Objectives

The students should accomplish the following at the end of their rotation:

1. Know how to suture wounds in a professional manner independently.

2. Know how to place simple and more complex stitches: simple interrupted skin sutures, interrupted intradermal sutures and running intradermal sutures.

3. Know the indications for use of different suture materials.

4. Understand how to perform suturing in a most efficient manner.

5. Know how to handle tissues during surgery and minor surgical procedures with least trauma.

6. Know how to obtain hemostasis with least damage to surrounding tissues.

7. Know the no-touch techniques when inserting foreign devices into patients.

8. Know how to perform procedures as an outpatient under local anesthesia.

9. Know the indications for intravenous sedation and how to perform procedures under light sedation.

10. Know how to diagnose common skin tumors such as BCC, Squamous cell carcinoma and Melanoma.

11. Know the classification of Melanomas.

12. Know how to diagnose and treat hand’s nerve and tendon injuries.

13. Know how to diagnose and treat various facial fractures.

14. Know the principles of breast reconstruction after mastectomy.

15. Know the principles and indications of various aesthetic surgical procedures.

16. Know how to manage minor burns and wounds as an outpatient.

17. Learn the techniques of microsurgery under microscope if interested.
III. Method

The student is given an orientation of the program on the first day and is closely supervised by the program coordinator Dr. Parsa for all the learning steps as listed above. Approximately 70-80% of the student's time is spent either at Dr. Parsa's office or at the hospital scrubbing on his patients. Principles of surgery and tissue handling as well as suturing techniques are thought during this time. Students also practice suturing techniques under Dr. Parsa’s supervision and direction during their free time using models similar to the ones utilized during their third year suturing class. In the absence of surgery residents, the medical student first assists in the operating room and performs various tasks commensurate with his/her level of training. Some of the patients who are of a learning value are seen and examined with the student. At times Dr. Parsa coordinated student's rotation with other attendings or at other hospitals other than Queen’s. About 20-30% of the student's time is spent with other attendings either at Queen’s or at other hospitals. Students do not take any calls but they may scrub on cases during the weekends.

IV. Evaluation

Students will be evaluated by their preceptor(s) based upon basic and clinical science knowledge and professionalism in a narrative summary. Grades are assigned as “Credit/No Credit.”
I. Descriptive Information

Title: SURG 545-F Surgical Specialty - Neurosurgery
Department: SURGERY
Pre-requisite: Surgery 531 or 532
Duration: Two (2) weeks
Number of Students: Dependent on availability of preceptors
Program Coordinator: Dr. William Obana

II. Objectives

This block of instruction is designed to give the student an added exposure to the field of neurosurgery. This will be an experience on a broader and more involved plane than the student was exposed to in his/her third year yet will still be given with the premise that the student is seeking knowledge in this field in order to perform more effectively as a "generalist" and is not necessarily interested in neurosurgery as a career.

III. Method

This block of instruction will be managed much as a preceptorship. The student will be assigned to a member of the neurosurgical faculty and will mirror his/her daily routines. The students will see patients in the offices, work up pre-operative patients, attend the surgical procedures, make daily rounds and write appropriate progress notes. There will be no night or weekend call schedule.

IV. Evaluation

Students will be evaluated by their preceptor(s) based upon basic and clinical science knowledge and professionalism in a narrative summary. Grades are assigned as "Credit/No Credit".
I. **Descriptive Information**

Title: SURG 545-G Surgical Specialty - Orthopaedics  
Department: SURGERY  
Pre-requisite: Surgery 531 or 532  
Duration: Two (2) or four (4) weeks  
Number of Students: Dependent on availability of preceptors  
Program Coordinator: Dr. Robert E. Atkinson

II. **Objectives**

This block of instruction is designed to give the student an added exposure to the field of orthopaedics. This will be an experience on a broader and more involved plane than the student was exposed to in his/her third year yet will still be given with the premise that the student is seeking knowledge in this field in order to perform more effectively as a "generalist" and is not necessarily interested in orthopedics as a career.

III. **Method**

This block of instruction will be managed much as a preceptorship. The student will be assigned to a member of the orthopaedic faculty and will pretty much mimic his/her daily routines. The students will see patients in the offices, work up pre-operative patients, attend the surgical procedures, make daily rounds and write appropriate progress notes. There will be no night or weekend call schedule.

IV. **Evaluation**

Students will be evaluated by their preceptor(s) based upon basic and clinical science knowledge and professionalism in a narrative summary. Grades are assigned as “Credit/No Credit”.

Revised January 2006
I. Descriptive Information

Title: SURG 545-H Surgical Specialty - Anesthesia
Department: SURGERY
Pre-requisite: Surgery 531 or 532
Duration: Two (2) or four (4) weeks
Number of Students: Dependent on availability of preceptors
Program Coordinator: Dr. Mona Ghows

II. Objectives

The student will be able to recognize and describe basic aspects of general and regional anesthesia. He/she shall be able to demonstrate basic skills such as bag-mask controlled respiration, insertion of airways, application of monitoring aids, and will be able to calculate various drugs and fluid dosages.

III. Method

The student will engage in direct practical experiences such as pre-op rounds, the induction, maintenance and emergence of anesthesia and the post-operative care of the patient under the direct supervision of a board certified anesthesiologist. He/she will question and compare the anesthetic approaches of different staff anesthesiologists. Specialty experiences will be available if the students desire such experiences, e.g., obstetric anesthesia, cardiovascular anesthesia. There will be no night or weekend call.

IV. Evaluation

Students will be evaluated by their preceptor(s) based upon basic and clinical science knowledge and professionalism in a narrative summary. Grades are assigned as “Credit/No Credit”.

Revised January 2006
I. Descriptive Information

Title: SURG 545-I Surgical Intensive Care
Department: SURGERY
Pre-requisite: Surgery 531 or 532
Duration: Four (4) weeks; available in all blocks
Location: Queen's Medical Center
Number of Students: Four students
Program Coordinator: Dr. Mihae Yu

II. Objectives

This clerkship will consist of a four-week experience as a member of the Surgical Intensive Care Service, providing cardiopulmonary care and life support to pre- and post- operative patients. Under supervision, the student will learn hemodynamic monitoring, pulmonary pathophysiology and ventilator management, renal dysfunction, nutritional support, and treatment of all types of shock: septic, hemorrhagic, neurogenic and myocardial shock. The goal of this rotation is to transform a fourth-year medical student into a functional resident able to handle life threatening situations.

III. Method

The student will be integrated into a Surgical Intensive Care Service team at a position analogous to L-1 Level. His/her assignment and evaluation will be monitored by the ICU coordinators. He/she will perform those procedures normally allotted to the L-1 level resident (Intern). He/she will make rounds with the staff per routine and will make progress notes at appropriate intervals. He/she will obtain the physiologic measurements required for evaluation of hemo-dynamic, pulmonary renal function and use the minicomputer to analyze the data. Using clinical information and monitoring parameters, he/she will assess life-support requirements including ventilator support, pharmacologic manipulation of cardiovascular function and parenteral nutrition and initiate appropriate therapy after senior team-member concurrence. All phases of his/her evaluation and orders will be checked and countersigned by a senior resident or staff physician. He/she will attend all meetings and conferences that his/her team attends and will present at these meetings at the discretion of his/her superiors. He/she will be expected to participate in rounds and clinical duties every day, and will be assigned night call on a rotation basis per routine.

IV. Evaluation

Students will be evaluated by their preceptor(s) based upon basic and clinical science knowledge and professionalism in a narrative summary. Grades are assigned as “Credit/No Credit”.

Revised January 2006
GENERAL SURGERY SUB-INTERNSHIP

I. Descriptive Information

Title: SURG 545-J General Surgery Sub-Internship
Department: SURGERY
Pre-requisite: Surgery 531 or 532
Duration: Four (4) weeks; available in all blocks
Locations: (1) The Queen's Medical Center
          (2) Kuakini Medical Center
          (3) Straub Clinic
Program Coordinator: Dr. Danny M. Takanishi, Jr.

II. Objectives

This clerkship consists of a 4-week experience on a busy, Surgical Service in one of the participating hospitals. The major objective is to provide the student with additional experience in the surgical disciplines concomitant with graded responsibility (commensurate with level of competency) beyond that of his/her third year experience.

III. Methods

The student, after selection of the desired hospital and type of service desired, will be integrated into the surgical team at a position analogous to PGY-1 level (“Intern”). His/her assignment and evaluation will be monitored by the coordinator for this sub-internship at the selected hospital. He/she will be assigned an appropriate number of hospital patients whom he/she will evaluate by a complete history and physical examination, and will initiate management by writing initial orders. He/she will perform those duties and procedures reasonably expected of the PGY-1 level resident. He/she will make rounds with the Staff according to established routine and will be expected to write progress notes at appropriate timely intervals. He/she will attend scheduled outpatient clinics and will see new or emergency patients as the initial physician as often as possible, as designated by the Chief or Senior Resident of the Service as deemed appropriate. The student will observe or assist at all major and minor operations upon his/her patients as well as ward procedures that are time convenient. He/she will attend all clinical meetings and conferences that his/her team attends and will present at these meetings at the discretion of his/her Chief or Senior Resident or Surgical Preceptor. He/she will be expected to take in-house night call on a rotational basis, as would be reasonable and appropriate and expected for a PGY-1 level resident. The level of graded responsibility delegated to each student will progressively increase during the course of the rotation, in accordance with degree of proven competency, based on assessment by the supervising Resident and Preceptor.

General Surgery (SURG 545-J): Queen's Medical Center: Dr. P. Halford; Kuakini Medical Center: Dr. M. Mugiishi; Straub Clinic & Hospital: Dr. E. Masuda

IV. Evaluation

Students will be evaluated by their preceptor(s) based upon basic and clinical science knowledge and professionalism in a narrative summary. Grades are assigned as “Credit/No Credit”.

Revised December 2009
I. **Descriptive Information**

Title: SURG 545-L  Cardiovascular Surgery Sub-Internship  
Department: SURGERY  
Pre-requisite: Surgery 531 or 532  
Duration: Four (4) weeks; available in all blocks  
Location: Queen’s Medical Center  
Number of Students: 1  
Program Coordinator: Dr. Carlos Moreno-Cabral

II. **Objectives**

This block of instruction is designed to give the student an added exposure to the field of cardiovascular surgery. This will be an experience on a broader and more involved plane than the student was exposed to in his/her third year yet will still be given with the premise that the student is seeking knowledge in this field in order to perform more effectively as a "generalist" and is not necessarily interested in cardiovascular surgery as a career.

III. **Methods**

This block of instruction will be managed much as a preceptorship. The student will be assigned to a member of the cardiovascular surgery faculty and will mirror his/her daily routines. The students will see patients in the offices, work up pre-operative patients, attend the surgical procedures, make daily rounds and write appropriate progress notes. There will be no night or weekend call schedule.

IV. **Evaluation**

Students will be evaluated by their preceptor(s) based upon basic and clinical science knowledge and professionalism in a narrative summary. Grades are assigned as “Credit/No Credit”.

Revised December 2009
I. **Descriptive Information**

**Title:** SURG 545-M Diagnostic Radiology  
**Department:** SURGERY  
**Pre-requisite:** 3rd or 4th year status  
**Duration:** 2 or 4 weeks block, available all blocks pending faculty availability  
**Number of Students:** It is difficult to accommodate more than 2 students at a single facility  
**Locations:** Kaiser Foundation Hospital, Straub Clinic & Hospital, Queen's Medical Center, and Kapiolani Medical Center for Women & Children (only for students interested in Pediatrics)  
**Program Coordinator:** Michael Meagher, M.D.

II. **Objectives:**

1. To gain practical experience and basic knowledge in the multiple facets of diagnostic radiology to include:
   
   a. Relationship of radiological changes to pathology and clinical findings.  
   b. Selection of the most cost efficient diagnostic modality for radiological examinations.  
   c. Familiarization with special equipment in diagnostic radiology.  
   d. Familiarization with special procedures in diagnostic radiology including all fluoroscopic and angiographic procedures, nuclear medicine, ultra-sound, CT and MRI scanning.

2. To review current as well as selected teaching cases in the various disciplines of diagnostic radiology.

III. **Method:**

1. Review basic fundamentals of radiology through individualized instructions given by radiologists in above named facilities.

2. Review teaching files and other audio-visual material.

3. Attend all departmental assigned lectures, seminars and training conferences.

4. Rotate on working schedule during normal school hours.

IV. **Evaluation**

Students will be evaluated by their preceptor(s) based upon basic and clinical science knowledge and professionalism in a narrative summary. Grades are assigned as “Credit/No Credit”.

Revised December 2008

SURG 545-M
I. Descriptive Information

Title: SURG 545-N Radiation Oncology
Department: SURGERY
Pre-requisite: 4th year status
Duration: 4 week block, all blocks
Number of Students: Maximum of three students per block
Location: Radiation Oncology Section, Queen's Medical Center
Program Coordinator: John L. Lederer, M.D.

II. Objectives:

To provide practical experience in clinical evaluation, diagnostic work-up, treatment, and follow-up techniques in patients with cancer.

III. Method:

1. Supervision provided by staff at Queen's Medical Center. Initially, student will accompany staff physician during work-up, i.e., review previous records, interview and examination of patient, decision as to management, treatment planning and setup, management during treatment. Later, student to have new patients assigned for work-up. Student to observe all patients under treatment and assist in follow-up to get an idea of outcome of treatment, long term effects of therapy and role of other modalities in follow-up care.

2. Student will accompany staff to operating room for intra-cavity or interstitial radiation with radium and cesium; attend conferences, didactic sessions. Inter-relationship with departments of Pathology, Medical Oncology, Diagnostic Radiology and Nuclear Medicine will be stressed. No routine night or week-end calls.

IV. Evaluation

Students will be evaluated by their preceptor(s) based upon basic and clinical science knowledge and professionalism in a narrative summary. Grades are assigned as "Credit/No Credit".

Revised January 2006
EMERGENCY MEDICINE SUB-INTERNSHIP

I. Description:

Title: SURG 545-O Emergency Medicine Sub-Internship
Department: Surgery
Pre-Requisites: 4th year status; Successful completion of SURG 541, ACLS certification; Approval of the Program Director
Duration: 4 weeks
Number of Students: Dependent upon availability of preceptors
Locations: The following local hospitals might be able to accept students for this elective but students are encouraged to do this elective at U.S. mainland institutions where Emergency Medicine residency programs exist. Again, approval from the program director is required.

- Castle Medical Center (Dr. Ramsey Hasan)
- Kaiser Medical Center (Dr. Saba Saleh-Russell)
- Kapiolani Med. Ctr. at Pali Momi (Dr. Bill Shuler)
- Kuakini Medical Center (Dr. Myo Nwe)
- The Queen’s Medical Center (Dr. Vijak Ayasanonda)
- Straub Clinic & Hospital (Dr. Fred Ching)
- Tripler Army Medical Center (Dr. John Pease)
- Wahiawa General Hospital (Dr. Kendrick Lee)

Program Directors: Dr. Cathy Oliver
Dr. Andy Schwartz

II. Objectives:

1. Provide a more intensive exposure for students interested in pursuing a career in a field related to Emergency Medicine.
2. Be exposed to different methods of delivery of emergency medical care.
3. Become more efficient in the assessment of acutely ill or injured patients.
4. Be involved in the care of more critical patients.
5. Begin learning the task of managing multiple ED patients at the same time.

III. Method:

Students shall:

1. Integrate into the educational framework of the hosting institution. In addition to clinical work-ups in the ED, this shall include lectures, case-based reading, journal articles, conferences, etc.
2. Have responsibilities and expectations similar to the PGY-1 level. This will likely include care of critical patients and/or multiple, simultaneous patients as deemed appropriate by the preceptor.
3. Maintain and submit a log of patients examined during the rotation.
IV. Evaluation:

A final summary of the student’s performance will be submitted at the end of the rotation by the hosting facility. Students will be responsible to insure that an evaluation is completed and submitted by their preceptor.
I. Descriptive Information

Title: SURG 545-R  Surgical Research  
Department: SURGERY 
Pre-requisite: Students must have identified a faculty preceptor and research hypothesis prior to enrolling in the elective, and must submit an application to participate in the elective, signed by their faculty preceptor. Topics in the fields of surgery and surgical subspecialties, radiology, and emergency medicine are accepted.  
Duration: 2-8 weeks equivalent, ongoing 
Number of Students and Locations: Dependent upon availability of faculty preceptors  
Program Director or Coordinator: Susan Steinemann, M.D.  
Danny Takanishi, M.D.

II. Objectives:

1. To familiarize the student with the design and execution of clinical research studies, including study design, data collection/chart review, database setup, and statistical analysis.  
2. To provide the student an opportunity to produce and present research at the national level.

III. Method:

1. Student identifies a faculty mentor and potential research hypothesis, submits an application to participate in the research elective. Contact the clerkship coordinator for necessary forms.  
2. Student performs background literature search, and student / faculty submit proposal to Investigation Review Committee of the institution where the research will be conducted.  
3. Conduct of research to occur over available time during third-fourth years.  
4. Supervision and support via weekly or biweekly meetings with faculty advisor and monthly research meeting with all surgical research faculty, students and support personnel.  
5. Summary of research submitted to faculty advisor (abstract / paper form) required for credit. Creation of abstract or paper and submission for consideration of presentation or publication overseen by surgical faculty advisor.

IV. Evaluation

1. Credit / No Credit grade assigned by faculty advisor.  
2. Student submits elective evaluation form to clerkship coordinator.
SURGICAL ANATOMY

I. Descriptive Information

Title: SURG 545-S Surgical Anatomy
Department: SURGERY
Pre-requisite: Successful completion of Surgery 531 or 532, successful completion of the anatomy elective (Biomed 512/513/514) corresponding to the body region selected for this course and approval of instructor. Approval will be given only to students who indicate how their career objectives are supported by successful completion of this elective.

Number of Students: 15 (3 per each of five body regions)
Available: Block A: NO ELECTIVE
          Block B: NO ELECTIVE
          Block C: NO ELECTIVE
          Block D: Elective (MD 2 labs)
          Block E: Elective (MD 2 labs)
          Block F: NO ELECTIVE
          Block G: Elective (MD 3 labs)
          Block H: Elective (MD 3 labs)
          Block I: NO ELECTIVE
          Block J: Elective (MD 4 labs)

Location: Medical Education Building
Program Director or Coordinator: Sandy Tshulako, MD
                                 Susan Steinemann, MD

II. Objectives:

1. Laboratory dissection of a region of the body with an emphasis on anatomy relevant to the surgical subspecialties.

2. To teach and demonstrate, in a cadaveric dissection, regional surgical anatomy to junior medical students.

III. Method:

1. For all blocks, students have the option of doing their own dissection and/or teach (they have the opportunity to create teaching demos for the first year students).

IV. Evaluation

1. Students will be evaluated by Department of Anatomy faculty based upon the following criteria: attendance/participation, demonstration of anatomical knowledge and technical skill in cadaver dissection, preparation and effectiveness of laboratory teaching as determined by direct observation of faculty and feedback from junior medical students.

2. Students will be assigned a grade of credit/no credit following completion of both the dissection and teaching requirements.

3. Students will receive three units of credit for each body region completed (two body regions/six units credit maximum).

Revised January 2008

SURG 545-S
I. Descriptive Information

Title: SURG 545 T Surgery Preceptorship in Asia
Department: SURGERY
Pre-requisites:
1. 4th-year medical student in good standing
2. Received credit for SURG 531 or 532.
3. An affiliation agreement between the Dean (or President) of the institution (or designate) and the Dean of the John A. Burns School of Medicine of the University of Hawaii (or designate) must be in place.
4. Academic Credentials: The medical student has the responsibility of insuring that the foreign institution/individual forwards specifics on the academic credentials of ALL individuals interacting with the medical student prior to leaving the United States to include: Name; Title, Academic Affiliation; Specialty; Training/Fellowship Certification. (This information will be kept on file at the International Medicine Office of the John A. Burns School of Medicine of the University of Hawaii.)
5. The visited institution/individual must furnish to the Department of Surgery (Director of Surgical Medical Student Education) and Chief of International Medicine written documentation of all points above prior to leaving on an International Elective, if not already on file. If already on file, an assurance that the information is current is expected.

Duration: Four (4) weeks minimum
Location:
- Akita University School of Medicine (Japan)
- Juntendo University School of Medicine (Japan)
- Kanazawa University School of Medicine (will pay for airfare - one way) (Japan)
- Kaohsiung Medical University (Taiwan)
- Keio University, School of Medicine (possible living accommodations) (Japan)
- Kitasato University School of Medicine (Japan)
- Kobe University, School of Medicine (Japan)
- Lyndon Baines Johnson Tropical Medical Center (American Samoa)
- Ministry of Health; Bureau of Hospital & Clinical Services (Republic of Palau)
- Nihon University School of Medicine (Japan)
- Nippon Medical School (Japan)
- Noguchi Medical Research Institute (Japan)
- Osaka Medical College (Japan)
- Saga Medical School (Japan)
- Santo Tomas University, Manila (Philippines)
- Showa University School of Medicine (room available) (Japan)
- Siriraj Hospital, Mahidol University (Thailand)
- St. Luke's College of Medicine (Philippines)
- The State of Yap, Department of Health Services (Federated States of Micronesia)
- Tokai University, School of Medicine (room available) (Japan)
- Tokyo Women's Medical University (possible living accommodations) (Japan)
- Udayama School of Medicine (Bali) (scholarship available)

Number of Students: Dependent upon availability of preceptors.
Program Coordinator: Susan Steinemann, MD

II. Objectives

1. The elective must be in a field directly related to an area of Surgery or a recognized specialty of Surgery.
2. In order to qualify for credit, the student must furnish an Educational Plan, which will, at a minimum, include the following and must be submitted and pre-approved by the Department of Surgery and the Chief of International Medicine 6 months before beginning of the elective:

   a. Learning Objectives: written in a clear and standard format: "As a result of this Clinical Preceptorship in Asia, the student will demonstrate, (list, describe, etc. specific objectives, such as knowledge, attitudes or skills)."

   b. Learning Strategies: "The student will employ the following strategies to accomplish these learning objectives: (e.g., observation, interviews, case-based reading, attend lectures, etc.)."

III. Method

At the completion of the elective, the student will submit:

1. A written report to the Department of Surgery and International Medicine concerning the outcomes; write an article suitable for distribution describing knowledge gained; or write a proposal for a research project or community intervention, etc.

2. Make a presentation (may be videotaped) to the International Committee of the Medical School about the experience; a handout (PowerPoint slides will suffice) or written report is expected to be made available at the time of the presentation.

3. These Outcome products are expected to be completed within four weeks of the student's return.
   a. Inclusive dates/duration
   b. Location
   c. Academic affiliation of foreign institution
   d. Academic affiliation of foreign individual if not an institution
   e. If research is involved, a specific proposal or outline of the research to be performed. All university procedures (e.g., IRB approval or waiver) must be followed in order to do research as a student of the University of Hawaii.

IV. Evaluation

Students will be evaluated by having preceptor complete the standard Unit 7 elective evaluation form. In addition, determination of Pass for Credit will be made on an individual basis after the Department of Surgery reviews the student's report (see III. Method, above).

Approval for Credit: When the above are completed satisfactorily and in a timely manner (at least six months prior to the beginning of the elective), approval for Credit for SURG 545T will be at the discretion of the Department of Surgery, and will be given for the specific elective proposal and specific site. It is emphasized that final approval will be for the individual student applicant, at the specified site, and for the specified program and will require written approval by the Department of Surgery (Director of Surgical Medical Student Education) on the appropriate form.
University of Hawaii  
John A. Burns School of Medicine  
2010-11 SENIOR ACADEMIC SCHEDULE FORM

Student's Name: ________________________  Career Choice: ________________________

<table>
<thead>
<tr>
<th>BLOCK</th>
<th>DATES</th>
<th>SCHEDULE</th>
<th>(Required, Elective)</th>
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<tbody>
<tr>
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<td>(list first any #545 electives taken prior to start of 4th year)</td>
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<td>A1</td>
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<td>04/25/11 - 05/13/11</td>
<td>SENIOR SEMINARS</td>
<td>( R ) 03 weeks</td>
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(Winter Break 12/20/10 - 01/02/11)

**Proposed** Match week: March 15-19 (Match Day, March 18) official dates tba by NRMP

Senior Year Graduation Requirements

<table>
<thead>
<tr>
<th>03 wks/04 Credits</th>
<th>MDED 564</th>
<th>Senior Seminars</th>
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<tr>
<td>04 wks/06 Credits</td>
<td>Geri 541</td>
<td>Geriatric &amp; Palliative Medicine</td>
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<tr>
<td>04 wks/06 Credits</td>
<td>Surg 541</td>
<td>Emergency Medicine</td>
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<td>24 wks/36 Credits</td>
<td>#545/#546</td>
<td>Electives</td>
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<td>Med 541</td>
<td>Advanced Medicine</td>
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<tr>
<td>/01 Credit</td>
<td>Path 541</td>
<td>Pathology Practicum (Autopsies)</td>
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</table>

35 wks/59 Credits REQUIRED TO GRADUATE

MDED 541 (Clinical Skills Assessment) must be taken in July upon completion of all third year clerkships or in October (the October date is reserved only for students who did not finish or successfully complete all clerkships).

I have reviewed/discussed the above schedule with ______________________________ and agree that it is appropriate towards his/her career goals.  

(Print Name of Student)

(Printed Name of Career Advisor)  (Signature of Career Advisor)  (Date)

SUBMIT THIS FORM TO OSA (please keep a copy)
Add/Cancel Senior Electives (#545/546) Form
(“in-state” electives only)

If you are adding or canceling electives offered in different departments, you must complete a separate form for each action. For example: if you wish to cancel a Surgery elective and add a Medicine elective, then you must complete two forms (one for Surgery to cancel and one for Medicine to add) since each department must keep track of their own electives.

Section A (Please Print):

Student’s Name:___________________________________________________________________________

ADD (course name & alpha):__________________________________location _____________________

For the dates of: __________________________ to ________________________________ wks. _______

Name of Responsible Faculty Member:_______________________________________________________

CANCEL (course name & alpha):______________________________location _____________________

For the dates of: __________________________ to ________________________________ wks. _______

Name of Responsible Faculty Member:_______________________________________________________

Section B (Signatures:)

1. Student’s Signature: __________________________________________________________________

2. Responsible Faculty Member’s Signature___________________________________________________

3. Course Coordinator’s Signature__________________________________________________________

⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒⇒

Office Use Only

Department: __________________________

Cancelled:  Preceptor notified       ____  
Change noted on dept. schedule       ____  
OSA notified                        ____  

Page 1 of 2
Instructions

1. Section A: Include 1) your name; 2) course name & alpha; 3) inclusive dates; # of weeks; and name of responsible faculty member.

2. Section B: Sign your name and then contact appropriate clinical department(s) regarding their specific requirements:

- **Complementary & Alternative Medicine:**
  Dr. Rosanne Harrigan 692-0909  
  harrigan@hawaii.edu

- **Emergency Med**
  Shelley Roberts 586-8229  
  surgclrk@hawaii.edu

- **Family Medicine:**
  Lira Quitevis 627-3235  
  lira.fmch@gmail.com

- **Geriatrics:**
  Misty Yee 523-8461  
  mistyy@hawaii.edu

- **Internal Medicine:**
  Julieta Rajlevsky 586-7478  
  jlrajlev@hawaii.edu

- **Medical Education**
  Dr. Damon Sakai 692-1001  
  sakai@hawaii.edu

- **Native Hawn Hlth:**
  Dr. Dee-Ann Carpenter 587-8612  
  deannnc@hawaii.edu

- **Ob-Gyn:**
  Lisa Kellett 203-6532  
  kellett@hawaii.edu

- **Pathology:**
  Jean Chee 692-1130  
  jkomori@hawaii.edu

- **Pediatrics:**
  Tina Allison 956-6525/983-8387  
  tallison@hawaii.edu

- **Psychiatry:**
  Dana Iida 586-7445  
  iidad@dop.hawaii.edu

- **Radiology/Surgery:**
  Shelley Roberts 586-8229  
  surgclrk@hawaii.edu

3. Once the form is completed and appropriate signatures are obtained, the form must be submitted to the department which offers the elective. The department will then submit a copy to OSA for the student’s file.

This form must be completed and submitted to the respective department at least **4 weeks prior to the start of the block** in which you wish to add/drop an elective (for example: if you wish to change a 4 or 2 week elective in Block C, you must have completed and turned in this form to the appropriate department by the start of the preceding block which would be Block B…if you wish to make changes to Block D, then you must submit the completed form by the start of Block C, etc.). If unsure, check with OSA or the department/s.
NON-CREDIT APPROVAL FORM
(For JABSOM Student Participating in a Course of Study/Experience NOT for Academic Credit)

To be completed by student and appropriate faculty/department coordinator:

Name of Student: ________________________________________________________________
Course of Study/Experience: __________________________ Location: ________________
Name of Responsible Faculty Member: ____________________________________________

Time Period: ______________________ to ______________________ (_______) (Date) (Date) weeks

____________________________
(Student's Signature)

This student has our approval to participate in the course of study/experience named above. However, it does not meet our requirements for academic credit.

Approval: __________________________ __________________________
Signature of Responsible Signature of Department Coordinator
Faculty Member

(Rev.01/08)

University of Hawaii
John A. Burns School of Medicine

NON-CREDIT APPROVAL FORM
(For JABSOM Student Participating in a Course of Study/Experience NOT for Academic Credit)

To be completed by student and appropriate faculty/department coordinator:

Name of Student: ________________________________________________________________
Course of Study/Experience: __________________________ Location: ________________
Name of Responsible Faculty Member: ____________________________________________

Time Period: ______________________ to ______________________ (_______) (Date) (Date) weeks

____________________________
(Student's Signature)

This student has our approval to participate in the course of study/experience named above. However, it does not meet our requirements for academic credit.

Approval: __________________________ __________________________
Signature of Responsible Signature of Department Coordinator
Faculty Member

(Rev.01/08)
### I. TO BE COMPLETED BY JABSOM STUDENT APPLYING FOR ELECTIVE (instructions on back page)

| Name _________________________________________ | Ph./Pgr. # ________________________________ |
| Address _________________________________________ | E-Mail ________________________________ |
| Currently a □ 3rd □ 4th – year medical student |

| Name/Title of Requested Elective/s: | 1st Choice: ________________________________ |
| 2nd Choice: ________________________________ |
| 3rd Choice: ________________________________ |

| Requested Date/s: | 1st Choice ______________ to ______________ (___ weeks) |
| 2nd Choice ______________ to ______________ (___ weeks) |
| 3rd Choice ______________ to ______________ (___ weeks) |

**Name/address of medical school/training institution to mail application:**

| Name: | ________________________________________________________________ |
| Address: | ________________________________________________________________ |
| | ________________________________________________________________ |

**Student’s Signature____________________________________________**  **Date ___________________**

**IIA. TO BE COMPLETED BY JABSOM DEPARTMENT COURSE COORDINATOR (OR COMPARABLE OFFICIAL)**

I grant the approval of this department for the student listed above to participate in the elective.

| Signature  _________________________________________________ | Date ___________________ |
| Name ___________________________Title  _____________________ | Department ___________________ |

**IIB. TO BE COMPLETED BY JABSOM DEAN OF STUDENTS (OR COMPARABLE OFFICIAL)**

The medical student named above: 1) is in good standing at this medical school and has approval to take the elective; 2) will pay tuition at our medical school during the period indicated; 3) is covered by our school’s malpractice/liability policy during all approved electives; 4) will have completed all core third year requirements in Family Medicine, Internal Medicine, Ob-Gyn, Pediatrics, Psychiatry, and Surgery (or equivalence) by the start of the requested elective; 5) has met our school's health requirements; 6) is required to have his/her own personal health insurance; 7) has received training in universal precautions; and 8) has completed HIPAA training at this institution. At the conclusion of the elective, an evaluation report is required.

| Signature__________________________ | Printed Name____________________________ | Date________________ |
| Name ___________________________ | Title ______________________ | | |

**III. TO BE COMPLETED BY DEAN OF STUDENTS (OR COMPARABLE OFFICIAL) OF MEDICAL SCHOOL/TRAINING INSTITUTION WHERE JABSOM STUDENT IS SEEKING TO TAKE ELECTIVE.**

(Note: Completion of this section is required in order for the student to be able to participate in requested elective.)

| NOT APPROVED | APPROVED FOR ________________________________ (Name of Elective) |
| Date of Elective: ______________ to ______________ (_____ weeks) |
| Student to report to: Name ___________________________Title | Ph. No. ________________ |
| Place ___________________________ | Ph. No. ________________ |
| Date ___________________________ | Time ________________ |

| Signature__________________________ | Printed Name__________________________ | Date________________ |

**UPON COMPLETION OF SECTION III, PLEASE RETURN FORM TO:**

UH-JABSOM, Office of Student Affairs
Medical Education Building, 3rd Floor
651 Ilalo Street
Honolulu, HI 96813
Ph: (808) 692-1000  Fax: (808) 692-1251
INSTRUCTIONS FOR JABSOM STUDENTS

STEP 1 - Correspond with the mainland institution/s where you are interested in obtaining an out-of-state elective. This initial correspondence should include the name of the elective, dates, and faculty supervisor.

STEP 2 - Complete SECTION 1 on reverse side.

STEP 3 - Take the form to the appropriate JABSOM clinical department responsible for approval (i.e., Medicine handles all internal medicine-related electives, Pediatrics handles all pediatric-related electives, etc.) If, in doubt, check with OSA.

STEP 4 - Obtain clearance from Dean of Students in the Office of Student Affairs (SECTION 11B).

STEP 5 - Upon notification of approval or disapproval from the mainland institution, you must acknowledge your intentions to both the host institution as well as to OSA at JABSOM (the latter is required regardless of whether or not you are seeking academic credit).

STEP 6 - Obtain a copy of the Student Clinical Evaluation Form from the Office of Student Affairs. It is your responsibility to present this to your faculty supervisor and request that the form be returned to the Office of Student Affairs. Documentation that you satisfactorily completed the elective is necessary before you will be given Credit.

STEP 7 - Obtain a copy of the Extramural Elective Evaluation Form from the Office of Student Affairs. This form is to be completed by you and must be returned to the Office of Student Affairs upon completion of your elective/s.

Best wishes to you as you seek out mainland experiences. You will represent our school, and we know you will do it well!

If any problems develop and you feel I might be of assistance, please feel free to call me at (808) 692-1000 or contact me by e-mail at mantonel@hawaii.edu.

Have fun and good luck!

Sincerely,

Mary Ann Antonelli, MD
Director of Student Affairs
UH-JABSOM

MAA/ml

rev. 01/08
APPENDIX B

PROHIBITED ABBREVIATIONS

The Joint Commission has established a National Patient Safety Goal that certain abbreviations must **NEVER** be used when communicating medical information (The DO NOT USE list). These abbreviations are a subset of abbreviations reported to the Institution for Safe Medical Practices (ISMP) as being frequently misinterpreted and involved in harmful medication errors.

**The DO NOT USE List**

<table>
<thead>
<tr>
<th>Unacceptable Abbreviation</th>
<th>Potential Problem</th>
<th>Recommended Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>U or u</td>
<td>Mistaken as zero, four or cc</td>
<td>Write out “unit”</td>
</tr>
<tr>
<td>IU (international unit)</td>
<td>Misread as IV or 10</td>
<td>unit</td>
</tr>
<tr>
<td>MS, MgS04, or MS04</td>
<td>Confused for each other. Can mean morphine sulfate or magnesium sulfate</td>
<td>Write “morphine sulfate” or “magnesium sulfate”</td>
</tr>
<tr>
<td>q.d, QD, q.o.d. or QOD</td>
<td>Mistaken for each other</td>
<td>Write “daily” or “every other day”</td>
</tr>
<tr>
<td>Lack of leading zero (.X mg)</td>
<td>Decimal point is missed</td>
<td><strong>NEVER</strong> write a zero by itself after a decimal point – <em>Never 3.0 mg</em> – <strong>write instead:</strong> 3 mg</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>ALWAYS</strong> use a zero before a decimal point - <em>Never 0.4 mg</em> – <strong>write instead:</strong> 0.4 mg</td>
</tr>
</tbody>
</table>
EXPOSURE TO BLOOD/BODY FLUIDS PROTOCOL

1. **Immediately** following the exposure:
   a. Flush the exposed mucous membrane with water or saline.
      - If exposure to the eyes has occurred, use wash station or nearest sink to flush eyes with water for at least 5 minutes.
   b. Wash any needle stick, puncture, cut or abrasion with soap and water.

2. Initiate the host agency protocol for hazardous exposure to blood/body fluids by following the instructions outlined in the table below.

3. If the exposure is in a non-hospital setting (for example, ambulatory site not associated with a hospital, in a JABSOM lab, class, or other non-hospital exposure), you or your preceptor/supervisor can call Queens ED (547-4311) to review current protocol for immediate needs in such a circumstance, and begin the process (AFTER #1). You may go to an Emergency Department, or during open hours, contact the University Health Services (Manoa Campus) 956-8965, or see your Primary Care Provider; **seek immediate evaluation**.

<table>
<thead>
<tr>
<th>FACILITY NAME</th>
<th>CONTACT DEPARTMENT/PERSON</th>
<th>PHONE #</th>
<th>SERVICES PROVIDED TO STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kaiser Permanente Medical Center</td>
<td>Kaiser Exposure Hotline</td>
<td>834-9089</td>
<td>Source patient testing is provided at no cost to student; student charged for follow-up care</td>
</tr>
<tr>
<td>Kapiolani Medical Center</td>
<td>Employee Health (Emergency Dept. if EH closed)</td>
<td>983-8525</td>
<td>Patient screening Student screening (6 wks, 3 months, 6 months, 1 year)</td>
</tr>
<tr>
<td>Kuakini Medical Center</td>
<td>Occupational Health Services, after hours dial &quot;0&quot; and ask for Nursing Supervisor</td>
<td>547-9531</td>
<td>Source patient testing is provided at no cost to the students. Student will be referred to Medical School for information on management and follow-up.</td>
</tr>
<tr>
<td>The Queen’s Medical Center</td>
<td>Employee Health/PEP Team</td>
<td>547-4004</td>
<td>Source patient testing will be done @ no cost to student. Student will be referred to Medical School for information on management and follow-up.</td>
</tr>
<tr>
<td>St. Francis Medical Center – Liliha</td>
<td>Employee Health Infection Control</td>
<td>547-6307</td>
<td>Source patient testing will be done @ no cost to student. Any bill is sent to the Medical School insurance for payment</td>
</tr>
<tr>
<td>Straub Clinic and Hospital</td>
<td>Employee Health during business hours, go directly to ED after business hours</td>
<td>522-3481</td>
<td>Source patient testing and baseline testing for student are provided. Referred to PMD for follow-up.</td>
</tr>
<tr>
<td>Tripler Army Medical Center</td>
<td>Report to the ER. Electronic consult sent to Occupational Health and Infection Control</td>
<td>433-6629</td>
<td>No cost for all initial service in the ER; this includes source testing. Follow-up services NOT provided by Tripler Occupational Health</td>
</tr>
</tbody>
</table>

4. Report exposure to:
   a. Your supervising faculty member and course/clerkship director
   b. JABSOM Office of Student Affairs @ 692-1000

5. Students should be knowledgeable about their health care policy and should know what their plan will cover related to occupational exposures.

OSA Update 2/4/09