

# FLORIDA ATLANTIC UNIVERSITY™

## Graduate Programs—NEW COURSE PROPOSAL

UGPC APPROVAL \_\_\_\_\_  
 UFS APPROVAL \_\_\_\_\_  
 SCNS SUBMITTAL \_\_\_\_\_  
 CONFIRMED \_\_\_\_\_  
 BANNER POSTED \_\_\_\_\_  
 ONLINE \_\_\_\_\_  
 MISC \_\_\_\_\_

DEPARTMENT NAME: **BMED**

COLLEGE OF: **COLLEGE OF BIOMEDICAL SCIENCE – MEDICAL EDUCATION PROGRAM**

**RECOMMENDED COURSE IDENTIFICATION:**

PREFIX   BCC   COURSE NUMBER   7166   LAB CODE (L or C) \_\_\_\_\_

(TO OBTAIN A COURSE NUMBER, CONTACT ERUDOLPH@FAU.EDU)

COMPLETE COURSE TITLE: **SURGERY SUB-INTERNSHIP**

### EFFECTIVE DATE

(first term course will be offered)

FALL, 2014

**CREDITS:**

**Textbook Information:**

Radiology - Squire's Fundamentals of Radiology, 5th Edition Novelline Harvard University Press

Surgery -Essentials of General Surgery, 4th Edition Lawrence, Bell, Dayton, Ahmed, Editors Lippincott Williams & Wilkins

**GRADING (SELECT ONLY ONE GRADING OPTION):** REGULAR   X   PASS/FAIL \_\_\_\_\_ SATISFACTORY/UNSATISFACTORY \_\_\_\_\_

**COURSE DESCRIPTION, NO MORE THAN 3 LINES:** The 4th year sub-internship in surgery seeks to build upon the skill and knowledge base of the 3rd year clerkship by placing the 4th year student on a busy surgery service as an acting intern.

**PREREQUISITES W/MINIMUM**

**GRADE:** \* Accepted for matriculation in the FAU Medical Sciences program. Have successfully passed MBME step 1 exam.

**COREQUISITES:**

**OTHER REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL):**

**STUDENTS MUST BE ADMITTED TO THE MEDICAL PROGRAM**

*PREREQUISITES, COREQUISITES & REGISTRATION CONTROLS SHOWN ABOVE WILL BE ENFORCED FOR ALL COURSE SECTIONS.*

*\*DEFAULT MINIMUM GRADE IS D-.*

**MINIMUM QUALIFICATIONS NEEDED TO TEACH THIS COURSE : M.D./PHD**

Other departments, colleges that might be affected by the new course must be consulted. List entities that have been consulted and attach written comments from each.

To Be Determined \_\_\_\_\_

Faculty Contact, Email, Complete Phone Number

**SIGNATURES**

**SUPPORTING MATERIALS**

**Approved by:**

Department Chair: \_\_\_\_\_

College Curriculum Chair: \_\_\_\_\_

College Dean: \_\_\_\_\_

UGPC Chair: \_\_\_\_\_

Dean of the Graduate College: \_\_\_\_\_

**Date:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Syllabus**—must include all details as shown in the UGPC Guidelines.

**Written Consent**—required from all departments affected.

Go to: <http://graduate.fau.edu/gpc/> to download this form and guidelines to fill out the form.

Email this form and syllabus to [diamond@fau.edu](mailto:diamond@fau.edu) and [eqirjo@fau.edu](mailto:eqirjo@fau.edu) one week **before** the University Graduate Programs Committee meeting so that materials may be viewed on the UGPC website by committee members prior to the meeting.

FAU Medical Education Program. 2011-2012

Syllabus :

1. **Course title** : surgery subinternship

**Course number**: BCC 7166

**Number of credit hours**:

2. **Course prerequisites**:

Accepted for matriculation in the FAU Medical Sciences program.

3. **Course logistics**:

a. term: various times depending upon the rotations.

b. not an online course

c. appropriate hospital wards and clinics

4. **Instructor information**:

Supervision:

Faculty preceptors within the specialty are assigned to each sub-intern to enhance the educational experience and oversee the rotation. The designated faculty preceptor is responsible for the student's final grade

5. **TA contact information**:

N/A

6. **Course description**:

Description of Clerkship:

The 4th year subinternship in surgery seeks to build upon the skill and knowledge base of the 3rd year clerkship by placing the 4th year student on a busy surgery service as an acting intern. The student is expected to perform organizational, cognitive and procedural tasks of a surgical intern under the close supervision of faculty preceptor and senior residents.

7. **Course objectives/student learning outcomes**:

Goals and Objectives:

It is expected that the student will become competent in:

1. Preoperative patient evaluation, including:
  - a. Respiratory and cardiovascular risk factors, and common medical problems such as diabetes and hypertension.
  - b. Differential diagnosis of common surgical presentations
  - c. Interpretation of common radiological and laboratory testing
2. Recognition and management of various forms of peri-operative problems such as:
  - a. Shock
  - b. Respiratory failure
  - c. Fluid and electrolyte abnormalities.
3. Basic evaluation and management of:
  - a. Acute abdominal emergencies
  - b. Vascular emergencies
  - c. Soft tissue and closed space infections
4. Routine post-operative management including:
  - a. Pain

- b. Diet
- c. Antibiotics

Activities & Responsibilities:

Specifically, the 4th year sub intern is expected to participate in daily tasks including:

1. Pre-operative evaluation
  - a. Preoperative diagnosis
  - b. Evaluation of management of preoperative morbidity
  - c. Admission history and physical and orders
  - d. Specific knowledge of patients requiring surgery including all radiological and laboratory studies in patients who they pre-op
2. Assist at the operations
  - a. Knowledge of the pathophysiology and anatomy of all cases scrubbed
  - b. Basic surgical techniques such as suturing and knot tying
3. Manage the postoperative care and complications of surgery
  - a. Postoperative order writing
  - b. Daily note writing and order writing
  - c. Evaluation and interpretation of post operative testing including laboratory and radiological studies
  - d. Evaluation and correction of electrolyte, hemodynamic, respiratory, infectious, and nutritional perturbations following surgery
  - e. Determination and understanding of final surgical pathology when appropriate
  - f. Participate in all team rounds at a level consistent with an intern
4. Discharge
  - a. Understanding and applying discharge criteria for various operations
  - b. Discharge instruction writing
  - c. Discharge prescription writing
  - d. Timing of follow-up
5. Call
  - a. Take first call for the emergency department and floor with intern and senior resident back up
  - b. Call will be consistent with the other interns on the service
6. Didactics
  - a. Morbidity and mortality conference
  - b. Tumor board
  - c. Resident teaching conference (hospital specific)
  - d. Weekly resident conference (preparation is expected)

In addition, there will be weekly meetings with an on-site preceptor to evaluate the sub interns' experience as well as the growth of the sub interns' clinical reflexes, judgment, and knowledge base. This will take the form of a case presentation of a patient evaluated and cared for by the sub intern. If appropriate, the sub intern will attend outpatient clinic and surgical cases with her/his preceptor as

**8. Course evaluation method:**

Evaluation:

Students will be evaluated by supervising physicians based on their clinical performance and participation in required activities. An oral and written exam is given during the last week of the rotation. A written evaluation will be completed for each rotating student.

**9. Course grading scale:**

A = 93-100; A- = 90-92; B+ = 88-89; B = 83-87; B - = 80-82;  
C+ = 78-79; C= 73-77; C- = 70-72; D+ = 68-69; D = 63-67; D- = 60-62; F = 59 and below.

**10. Policy on makeup tests, etc.**

If a student fails to achieve any of the above, an Incomplete grade for the clerkship will be assigned. If the NBME subject exam is below the 5<sup>th</sup> percentile, the student will be required to re-take the exam within 14 weeks of notification, unless approved to take it later by the Clerkship Discipline Coordinator. If the exam is passed on the second try, the overall grade will not change (i.e., only the first score will be used in determining the overall grade), and a “D” will be assigned. If a score at or above the 5<sup>th</sup> percentile on the second attempt is not achieved, a “F” grade will be assigned and remediation (which may include repeating the entire clerkship) will be determined by the Clerkship Discipline Coordinator in conjunction with the Junior/Senior Promotions Committee.

**11. Special Course requirements:**

N/A

**12. Classroom etiquette policy:**

Students should be considerate of each other by switching his/her cell phone to vibrate during all teaching activities.

If a telephone call is of an emergency nature and must be answered during class, the student should excuse him/herself from the lecture hall before conversing.

Laptop computer use should be limited to viewing and recording lecture notes rather than checking e-mail, playing or viewing other distracting websites. Students may be asked by faculty to turn off laptops during any session where group participation is required (such as PBL and wrap-up sessions).

**13. Disability policy statement:**

In compliance with the Americans with Disabilities Act (ADA), students who require special accommodation due to a disability to properly execute coursework must register with the Office for Students with Disabilities (OSD) –in Boca Raton, SU 133 (561-297-3880)—and follow all OSD procedures.

**14. Honor code policy:**

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards because it interferes with the University mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the University community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility.

The FAU Honor Code requires a faculty member, student, or staff member to notify an instructor when there is reason to believe an academic irregularity is occurring in a course. The instructor must pursue any reasonable allegation, taking action where appropriate. The following constitute academic irregularities:

1. The use of notes, books or assistance from or to other students while taking an examination or working on other assignments, unless specifically authorized by the instructor, are defined as acts of cheating.
2. The presentation of words or ideas from any other source as one's own is an act defined as plagiarism.
3. Other activities that interfere with the educational mission of the University.

For full details of the FAU Honor Code, see University Regulation 4.001 at [www.fau.edu/regulations/chapter4/4.001\\_Honor\\_Code.pdf](http://www.fau.edu/regulations/chapter4/4.001_Honor_Code.pdf).

The Code of Honorable and Professional Conduct should serve as a guide to medical students in matters related to academic integrity and professional conduct. The Code of Honorable and Professional Conduct provides a mechanism for peer evaluation of student conduct which the FAU faculty and administration believe is an essential component of medical education and development of medical students.

**15. Required texts/readings:**

Discipline	Title	Author	Publisher
Radiology	Squire's Fundamentals of Radiology, 5 <sup>th</sup> Edition	Novelline	Harvard University Press
Radiology	TBA		
Surgery	Essentials of General Surgery, 4 <sup>th</sup> Edition	Lawrence, Bell, Dayton, Ahmed, Editors	Lippincott Williams & Wilkins

**16. Supplementary resources:**

**17. Course topical outline, including dates:**

**Content outline:**

*Please refer to Blackboard for up-to-date information and session-related objectives and handouts.*

**Study Habits:**

A major contribution to your learning is active engagement, which includes participation in the learning of other students and interaction with the instructors. Students are expected to be proactive and to access the Blackboard system to review items associated to individual sessions.

Learning in the field of medicine is a life-long endeavor that is not only necessary, but can and should be fun. One of the most important factors for learning is curiosity and sometimes, the best way to keep this curiosity stimulated is through our interaction with colleagues and peers. When learning in small groups, we have a chance to try to explain topics to each other, brainstorm solutions together, give each other constructive feedback, and support and validate each other. We encourage balancing studying alone with learning in small groups. It is important to develop a study routine to avoid "putting things off" and "cramming" and to minimize the stress we may add to our lives in that way.

**Independent Study Time:**

Independent Study Time allocated within the day time schedule is provided for students, on average about 9 hours per week.

Students are expected to use this time to further their learning. The time should be used for independent study or with peers. It is an opportunity to seek out faculty to interact with them outside the formal teaching setting. Since the PBL small-group format requires that students research learning objectives, the time may be used to prepare for the subsequent sessions. Finally, the time may be used to work on assignments, problem-solving cases, off-campus visits or other tasks that are required by the courses.

Occasionally, some Independent Study Time sessions may be used for curriculum-related activities (e.g. standardized examinations): notice will be given as early as possible for these occasions.

**Course and Faculty Evaluation:**

FAU highly values the process of formal program evaluation and feedback. FAU students are required to complete all course evaluations and program evaluation surveys which are the Students Perception of Teaching (SPOT).

Grades and transcripts may be held for failure to submit required surveys. Evaluations should be constructive, to help improve individual faculty's teaching, and the content and format of the courses.

Moreover, the timely completion of evaluations at the level of undergraduate medical education assists students in developing the administrative and organizational skills required throughout their academic and professional career. We appreciate your completing evaluations to help continue with improvement of the learning experiences and environment for all students.

**Faculty:**

Dr. Wexner at the Cleveland Clinic