FLORIDA ATLANTIC UNIVERSITY™

Graduate Programs—NEW COURSE PROPOSAL

UGPC APPROVAL _____
UFS APPROVAL _____
SCNS SUBMITTAL _____
CONFIRMED _____
BANNER POSTED _____
ONLINE _____
MISC _____

DEPARTMENT NAME: **PHYSICS**

COLLEGE OF: **CHARLES E. SCHMIDT COLLEGE OF SCIENCE**

RECOMMENDED COURSE IDENTIFICATION:

PREFIX _____RAT_____ COURSE NUMBER **6932** LAB CODE (L or C) _

COMPLETE COURSE TITLE **SEMINAR IN MEDICAL PHYSICS**

EFFECTIVE DATE
(first term course will be offered)
SUMMER 2013 (Term/Yr)

CREDITS: **1**

TEXTBOOK INFORMATION: American Association of Physicists in Medicine relevant publications on line. www.aamp.org.
ASTRO publication: "***SAFETY IS NO ACCIDENT***: Framework for Quality Radiation Oncology and Care".

GRADING *(SELECT ONLY ONE GRADING OPTION)*: REGULAR _____ PASS/FAIL __X___ SATISFACTORY/UNSATISFACTORY ____

COURSE DESCRIPTION, NO MORE THAN 3 LINES: The course includes lectures and discussion on current topics in medical physics by faculty, graduate students, and visitors.

PREREQUISITES W/MINIMUM GRADE:*	COREQUISITES:	OTHER REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL):
Permission of the Instructor		

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:
FACULTY OR BOARD CERTIFIED MEDICAL PHYSICIST

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. **NA**

Th. Leventouri, leventou@fau.edu, 561-297-2695,
Zoubir Ouhib, Research Affiliate Associate Professor, Zouhib@brrh.com, 561-297-3380
Faculty Contact, Email, Complete Phone Number

SIGNATURES

SUPPORTING MATERIALS

Approved by:	*Date:*
Department Chair:	9/12/2013
College Curriculum Chair:	9/18/2013
College Dean:	9/18/2013
UGPC Chair:	10/7/13
Dean of the Graduate College:	10.16.13

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 *sfulks@fau.edu* and *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.

Course Syllabus

1. **Course title/number, number of credit hours**
   Seminar in Medical Physics RAT 6932, 1 credit hour
2. **Course prerequisites or co-requisites**
   Permission of the Instructor
3. **Course logistics**
   a. Term – Summer 1
   b. Notation if online course – NO
   c. Class location and time Science 101, Friday 3-3:50

4. **Instructor contact information**
   a. Instructor's name Th. Leventouri/Zoubir Ouhib
   b. Office address –Science 112
   c. Office hours: F 2-3
   d. Contact telephone number – office (561) 297-2695
   e. E-mail address – leventou@fau.edu, zouhib@fau.edu

5. **TA contact information (if applicable)** N/A
6. **Course description**
   The course includes lectures and discussion on current topics in medical physics by faculty, graduate students, and visitors.

7. **Course objectives/student learning outcomes**
   The purpose of this seminar is to inform and prepare students on advanced different topics of importance to practicing medical physicists each time it is offered, according to the AAPM guidelines. It is mainly focused on safety, medical events and errors. The students are also informed on the process of when and how to report theses errors. Clinical implications following safety and medical errors are discussed.

8. **Course topical outline**
   The following seminars and corresponding assignments cover the 12 weeks of Summer Term 1.
   1) Presentation on errors in Radiation Therapy. HW: assigned reading of selected reports from AAPM.
   2) Continued from week 1. HW: assigned web reading.
   3) Continued from week 2. HW: assigned web reading.
   4) Reporting system. HW preparation of reporting.
   5) Organizational culture. HW: assigned web reading
   6) Near misses and errors. HW: reading
   7) Feedback mechanisms. HW: reading
   8) What have we learned? HW: students report.
   9) Presentations of different cases of medical events (Brachytherapy and external beams)

10) Presentations by the students of all sections of the ASTRO publication: "***SAFETY IS NO ACCIDENT***: Framework for Quality Radiation Oncology and Care".
11) Continued from week 10.
12) Continued from week 11.

9. Course evaluation method

Students are evaluated from their presentations of the material with an interactive discussion. Students and professor were given an opportunity to ask each presenter questions related to the material. They were evaluated on presentation of material, its accuracy, their understanding and their ability to communicate that to the rest of the class.

Presentation: 50% Accuracy: 30% Communication to others: 20%

10. Required texts/readings

ASTRO publication: "***SAFETY IS NO ACCIDENT***: Framework for Quality Radiation Oncology and Care".

11. Supplementary/recommended readings

American Association of Physicists in Medicine relevant publications on line. www.aamp.org

12. Course grading scale (optional-needed if it differs from the catalog grading scale)

P/F grade is used. P: ≥ 60% F: <60%

13. Policy on makeup tests, late work, and incompletes Student meets with the Instructor to arrange accommodations according to the student's situation.

14. Special course requirements (if applicable) N/A

15. Classroom etiquette policy (if applicable)

University policy on the use of electronic devices states: "In order to enhance and maintain a productive atmosphere for education, personal communication devices, such as cellular telephones and pagers, are to be disabled in class sessions."

16. 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); in Davie, MOD 1 (954-236-1222); in Jupiter, SR 117 (561-799-8585); or at the Treasure Coast, CO 128 (772-873-3305) – and follow all OSD procedures.
http://www.fau.edu/policies/files/1.13%20Disabilities%20and%20Accomodations%20FINAL%209-°©-18-°©-12.pdf

17. Honor Code policy statement

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty, including cheating and plagiarism, 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. Harsh penalties are associated with academic dishonesty. For more information, see University Regulation 4.001 at http://www.fau.edu/regulations/chapter4/4.001Honor_Code.pdf.