

# FLORIDA ATLANTIC UNIVERSITY™

UUPC APPROVAL 1/29/16  
 UFS APPROVAL \_\_\_\_\_  
 SCNS SUBMITTAL \_\_\_\_\_  
 CONFIRMED \_\_\_\_\_  
 BANNER POSTED \_\_\_\_\_  
 CATALOG \_\_\_\_\_

## Undergraduate Programs—NEW COURSE PROPOSAL

DEPARTMENT **PHYSICS** COLLEGE **SCIENCE**

RECOMMENDED COURSE IDENTIFICATION (TO OBTAIN A COURSE NUMBER, CONTACT [NMALDONADO@FAU.EDU](mailto:NMALDONADO@FAU.EDU))  
 PREFIX PHZ COURSE NUMBER 3151 LAB CODE (L or C) C  
 COMPLETE COURSE TITLE: **COMPUTATIONAL PHYSICS**  
**EFFECTIVE DATE**  
 (first term course will be offered)  
FALL 2016

CREDITS<sup>2</sup>  
**4**  
 TEXTBOOK INFORMATION  
**S. HASSANI. MATHEMATICAL METHODS USING MATHEMATICA®: FOR STUDENTS OF PHYSICS AND RELATED FIELDS. SPRINGER, 2003.**

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

COURSE DESCRIPTION, NO MORE THAN THREE LINES:  
**THIS COURSE WILL COVER SELECTED TOPICS IN NUMERICAL COMPUTATION AND COMPUTER-ASSISTED ANALYSIS, WITH APPLICATIONS TO PHYSICAL SYSTEMS.**

PREREQUISITES W/MINIMUM GRADE* <b>MAC 2313; PHY 3101C</b>	COREQUISITES*	REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL)*
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\*DEFAULT MINIMUM PASSING GRADE IS D-. PREREQUISITES, COREQUISITES AND REGISTRATION CONTROLS WILL BE ENFORCED FOR ALL COURSE SECTIONS.

MINIMUM QUALIFICATIONS NEEDED TO TEACH THIS COURSE:  
**PH.D. IN PHYSICS.**

<b>WAC/GORDON RULE COURSE<sup>3</sup></b> YES _____ NO _____  WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to proposal. Guidelines: <a href="http://www.fau.edu/WAC">www.fau.edu/WAC</a>	<b>GENERAL EDUCATION REQUIREMENT (MARK X IN FRONT OF SELECTION)<sup>4</sup></b> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> Written Communication</td> <td><input type="checkbox"/> Society/Human Behavior</td> </tr> <tr> <td><input type="checkbox"/> Math/Quantitative Reasoning</td> <td><input type="checkbox"/> Global Citizenship</td> </tr> <tr> <td><input type="checkbox"/> Science/Natural World</td> <td><input type="checkbox"/> Humanities</td> </tr> </table> General Education criteria must be indicated in the syllabus and approval attached to proposal. Guidelines: <a href="http://www.fau.edu/ugstudies/GeneralEdCourseApprovalRequests.php">www.fau.edu/ugstudies/GeneralEdCourseApprovalRequests.php</a>	<input type="checkbox"/> Written Communication	<input type="checkbox"/> Society/Human Behavior	<input type="checkbox"/> Math/Quantitative Reasoning	<input type="checkbox"/> Global Citizenship	<input type="checkbox"/> Science/Natural World	<input type="checkbox"/> Humanities
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<input type="checkbox"/> Science/Natural World	<input type="checkbox"/> Humanities						

Faculty contact, email and complete phone number: <u>cbeetle@fau.edu; 7-4612</u>	Please consult and list departments that might be affected by the new course and attach comments. <sup>5</sup> Teaching & Learning (Education)
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<b>Approved by</b> Department Chair: _____ College Curriculum Chair: <u>Q E My</u> College Dean: <u>Q B Jaha</u> UUPC Chair: <u>Q Z My</u> Undergraduate Studies Dean: <u>Edith Smith</u> UFS President: _____ Provost: _____	<b>Date</b> <u>1/29/16</u> <u>1/22/16</u> <u>1/29/16</u> <u>2/3/16</u>	1. Syllabus must be attached; syllabus checklist recommended; see guidelines and checklist: <a href="http://www.fau.edu/academic/registrar/UUPCinfo">www.fau.edu/academic/registrar/UUPCinfo</a> 2. Review Provost Memorandum: <b>Definition of a Credit Hour</b> <a href="http://www.fau.edu/provost/files/Definition_Credit_Hour_Memo_2012.pdf">www.fau.edu/provost/files/Definition_Credit_Hour_Memo_2012.pdf</a> 3. WAC approval (attach if applicable) 4. Gen. Ed. approval (attach if applicable) 5. Consent of affected departments (attach if applicable)
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Mail this form and syllabus to [mjenning@fau.edu](mailto:mjenning@fau.edu) seven business days before the UUPC meeting. 2016 JAN 29 PM 12:42