

FLORIDA ATLANTIC UNIVERSITY™

UUPC APPROVAL 11/23/15

UFS APPROVAL _____

SCNS SUBMITTAL _____

CONFIRMED _____

BANNER POSTED _____

CATALOG _____

Undergraduate Programs—NEW COURSE PROPOSAL¹

DEPARTMENT:
MATHEMATICAL SCIENCES

COLLEGE:
CHARLES E. SCHMIDT COLLEGE OF SCIENCE

RECOMMENDED COURSE IDENTIFICATION:

PREFIX STA COURSE NUMBER 4235 LAB CODE (L or C) _____

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

COMPLETE COURSE TITLE: Statistical Learning

EFFECTIVE DATE

(first term course will be offered)

CREDITS²:
3

TEXTBOOK INFORMATION:

Gareth James, Daniela Witten, Trevor Hastie, and Robert Tibshirani (2013), *An Introduction to Statistical Learning with Applications in R*, First Edition, Springer. (ISBN: 978-1-4614-7137-0)

GRADING (SELECT ONLY ONE GRADING OPTION): REGULAR X PASS/FAIL _____ SATISFACTORY/UNSATISFACTORY _____

COURSE DESCRIPTION, NO MORE THAN THREE LINES:

This is an introductory-level course in supervised learning with a focus on regression and classification methods. The course will help students to understand basic concepts, ideas, and methods in statistical learning. Considerable amount of effort will also be put on computational aspects of algorithm implementation.

PREREQUISITES W/MINIMUM GRADE*:

STA 4234 OR EQUIVALENT

COREQUISITES*:

REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL)*:

*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: PHD IN STATISTICS OR RELATED FIELDS

WAC/GORDON RULE COURSE³

YES _____ NO X

WAC/Gordon Rule criteria must be indicated in syllabus. Guidelines: www.fau.edu/WAC

GENERAL EDUCATION REQUIREMENT (MARK X IN FRONT OF SELECTION)⁴

____ Written Communication ____ Society/Human Behavior
____ Mathematics/Quant. Reas. ____ Global Citizenship
____ Science/Natural World ____ Creative Expression

Must attach the appropriate General Education Course Approval Request: www.fau.edu/deanugstudies/GeneralEdCourseApprovalRequests.php

Faculty contact, email and complete phone number:

Lianfen Qian, Lqian@fau.edu, 7-2486

Please consult and list departments that might be affected by the new course and attach comments.⁵

Approved by:

Department Chair: Lee Klingler

College Curriculum Chair: J I Ky

College Dean: Ph Jhan

UUPC Chair: J I Ky

Undergraduate Studies Dean: Ed Schmitt

UFS President: _____

Provost: _____

Date:

11/26/14

11/21/15

1-22-15

1/23/15

1/23/15

1. Syllabus must be attached; syllabus checklist recommended; see guidelines and checklist: www.fau.edu/academic/registrar/UUPCinfo

2. Review Provost Memorandum: Definition of a Credit Hour www.fau.edu/provost/files/Definition_Credit_Hour_Memo_2012.pdf

3. WAC approval (attach if necessary)

4. Gen. Ed. approval (attach if necessary)

5. Consent of affected departments (attach if necessary)