Research

Advanced Topics in Topology: Characteristic Classes

INSTRUCTOR

Publication

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MEETING TIME AND LOCATION

M W F Period 8, LIT 0205

OFFICE HOURS LIT 0418 MW 6 or by appointment

TEXTBOOK

Characteristic Classes by John W. Milnor and James D. Stashef, 1974.

DESCRIPTION AND GOALS

Smooth Manifolds

Vector Bundles Silefel-Whitney Classes Grassmann Manifolds and Universal Bundles Oriented Bundles and the Euler Class Gusumm Munifish and Universit Munifish Seitenth Hundiso and the Falser Chass The Them Isonopolium Theorem Computitions in a Shored Mataliald Obstanching Company Channel Charles Charles Charles Portograph Channel Charn Nathers and Portigings Numbers The Charles Conduction Ring (). Thom Spaces and Transversity Multiplicative Sequence and the Spinister Theorem Cambradows Inthe Spinister Charn States and Prastrovanity

GRADING

30%HWQuizzes+30%MT+40%Final; A if >85, B+ if > 80, B if > 70, C+ if > 65, C if > 50. Three quizzes and one in class Midterm based on the Homework; the home-taken Final; no make-ups

Home work is not graded. Quizzes consist of homework problems.

Extra credit: up to 10 pts for a presentation in class, up to 5 pts for solving a * rated homework problem.

ATTENDANCE AND LATE POLICY

Attendance is strongly recommended. We will adhere to the university atten-dance policies that can be found here: https://catalog.ufl.edu/UGRD/academic- regulations/attendance-policies/.

DIVERSITY STATEMENT

The University of Pfordia and the Department of Mathematics are committed to diversity and inclusion of all students. We recognize the diversity of backgrounds and learning needs of our students and strive to oreste a more inclusive and wedowing any stormants for everyone. We strongly believe that an inclusive learning environment promotes higher academic achievements.

DISABILITIES STATEMENT

Students with disabilities who experience learning barriers and would like to request academic accommodiations should connect with the Disability Resource Coater by visiting https://disability.ufl.edu/. It is important for statents to share their accommodiation letter with their instructor and discuss their access needs as early as possible in the senseter.

COURSE EVALUATION

ACADEMIC HONESTY

ACADEMIC FLORES I W University of Florida unders are bound by The Hoov Pedge which states, "We, the members of the University of Florida community, judged to bid senselves and are press to the laphest attandued relinear and to expriptly badding by the Hoov Cach." Cost and work administif for earlies the state of the University of Florida, the fallowing plottic is entire or the state of the state of the state of the state of the state. The state of the stat

CAMPUS RESOURCES

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ACADEMIC RESOURCES

- Career Resource Center: Reitz Union, 352-392-1601, https://career.ufl.edu/. Career assistance and nscling Library Support: ask/ii/uff.libanswers.com. Various ways to receive assistance with respect to using the hbraries or finding resources. - Teaching Center: Broward Hall, 352-392-2010, 352-392-6420, or http://teachingcenter.ufl.edu/. General - Telefing scienci, automatic audy skills and turoring. - Writing Studio: 302 Tigert Hall, 352-846-1138, http://writing.ufl.edu/writing-studio/. Help brainstoeming. formatting, and writing paper

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