Class Syllabus

CSE 3100 Junior Projects
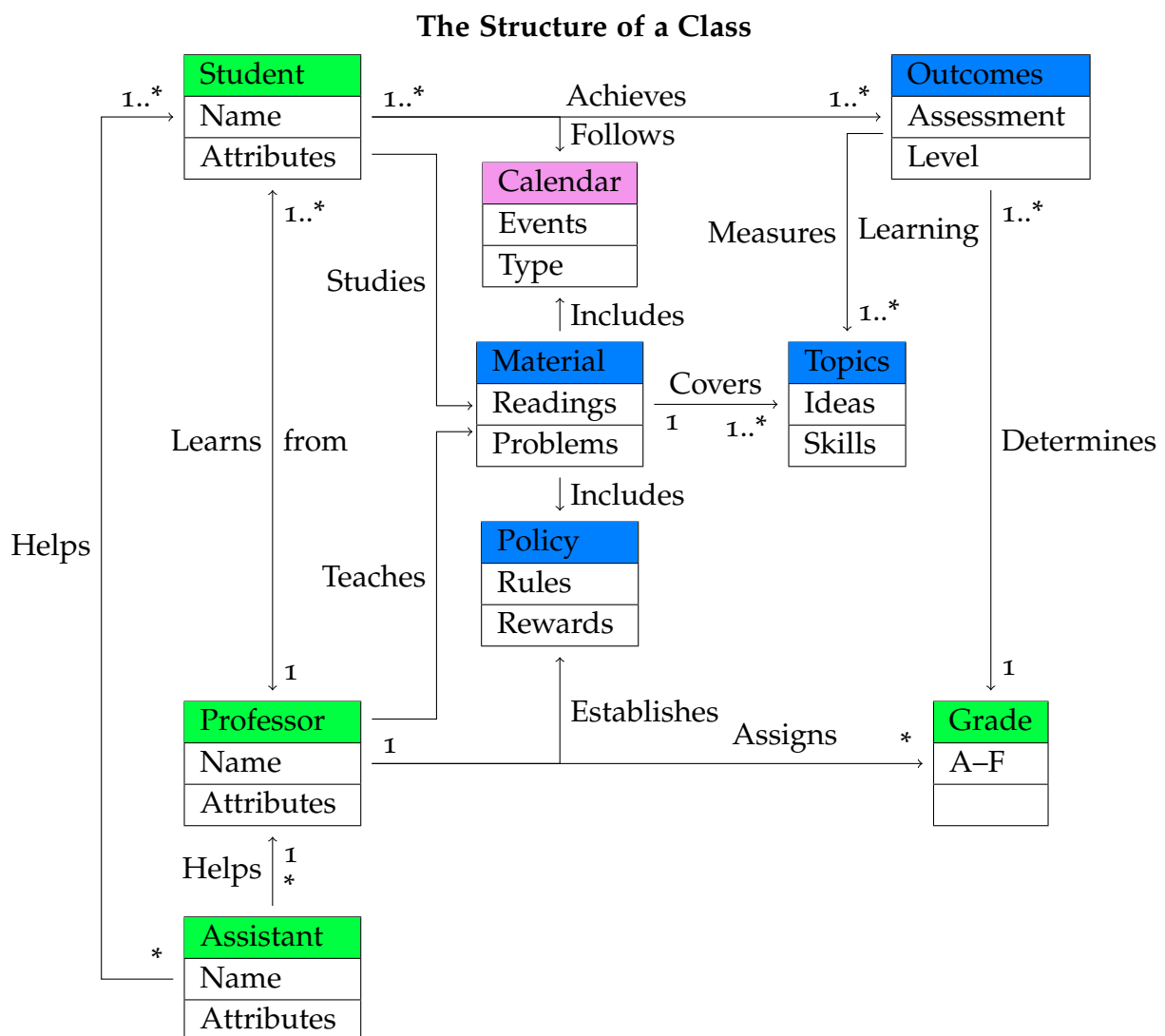
William Shoaff

Computer Engineering & Sciences

College of Engineering & Science Florida Tech

Spring 2022 (compiled: November 19, 2021)

The Structure of a class

The Structure of a Class

Course Schedule

CRN	Course Number	Title	Days	Times	Place
26936	CSE 3100	Junior Projects	M	3:00	Olin Life Science 129

Course Description

Introduces the concepts and methodology of software project development. Forms teams and develops team proposals for capstone design projects that will be implemented during the senior year. Allows juniors to interact with seniors completing capstone design projects. Prerequisite: CSE 2010 (Credit Hours: 1)

Majors in Computer Science (7071) or Software Engineering (7075). Minimum student level – Junior

Students, Professor & Assistants

Students

This is a team-based course. Get to know your fellow classmates. Help each other.

The Professor

William David Shoaff

Room 209, L3/Harris Center for Science and Engineering

wds@cs.fit.edu
(Please don't use Canvas to send me an email, it creates an indirection making communication difficult)

Office: (321) 674-8066; Home: (321) 474-7823

Office Hours: WDS Personal Meeting Room Zoom ID – 569 113 5725
MWF 10:00 – 11:30, or by appointment, walk-ins welcome

Teaching Hours:
CSE 4083/5210 MWF 10:00 A.M. Evans Library 133;
CSE 4101/4201 MWF 11:00 A.M. Crawford 404;
CSE 4081/5211 MWF 1:00 P.M. Crawford 220;
CSE 3100 M 3:00 P.M. Olin Life Sciences 129;

Office 32 16 74-80 66; Home 32 14 74-78 23
Personal Zoom Meeting ID: 941 0467 7146

Assistants

TBA: None expected; Your faculty advisor.

Calendar

Topics: Due Dates are subject to change based on the flow of the course.

- Milestone 1 – Exploring the Senior Projects of those ahead of you   Due: Monday, February 7) Description posted on the Canvas Learning management system

- Milestone 2 – Working as a team   Due: Monday, February 28. Description posted on the Canvas Learning management system

- Milestone 3 – Tasks for successful completion of a senior project Due: Monday, March 14. Description posted on the Canvas Learning management system

- Milestone 4 – Presenting your project to others   Start on Monday, April 4. Description posted on the Canvas Learning management system

Student Outcomes

1. Understand how others analyze complex problems and apply principles of computing and software engineering to identify solutions.

2. Communicate effectively in writing and presentations.

3. Function effectively as a member of a team engaged in activities appropriate to computer science and software engineering.

Topics

- Current senior projects

- Identifying opportunities

- Generating ideas

- Developing proposals

Material

See Dr. Chan's senior projects web site for Senior Projects information.

In particular, look at:

- Current senior projects

- Identifying Opportunities and Generating Ideas

- Resources

  – Imagine Cup

  – Design Thinking (Stanford)

  – Video on design thinking

Policies

Courses Recording

NOTICE TO COURSE PARTICIPANTS:

This course may be recorded for use by students or faculty. Enrolled students are subject to having their images and voices recorded during the classroom presentations, remote access learning, and online course discussions. Course participants should have no expectation of privacy regarding their participation in the class. Recordings may not be reproduced, shared with those not registered in the course, or uploaded to other online environments. All recordings will be deleted at the conclusion of the academic term.

Mandatory Face Covering

In accordance with "Florida Tech Safe: Return to Learn" procedures, instructors will enforce Florida Tech's mandatory face covering policy in all classrooms and teaching labs. All students must wear appropriate face coverings that cover their mouth and nose during all face-to-face course meetings. Students who fail to comply with this policy will be required to leave the classroom immediately. Students unable to comply may contact the Dean of Students Rodney Bowers for further options.

Title IX

The Patsy Mink Equal Opportunity in Education Act, AKA Title IX:

What is Title IX?

Title IX of the Educational Amendments Act of 1972 is the federal law prohibiting discrimination based on sex under any education program and/or activity operated by an institution receiving and/or benefiting from federal financial assistance.

Behaviors that can be considered "sexual discrimination" include sexual assault, sexual harassment, stalking, relationship abuse (dating violence and domestic violence), sexual misconduct, and gender discrimination. You are encouraged to report these behaviors.

Reporting

Florida Tech can better support students in trouble if we know about what is happening. Reporting also helps us to identify patterns that might arise – for example, if more than one complainant reports having been assaulted or harassed by the same individual.

Florida Tech is committed to providing a safe and positive learning experience. To report a violation of sexual misconduct or gender discrimination, please contact Security at 321-674-8111. *** Please note that as your professor, I am required to report any incidences to Security or to the Title IX Coordinator (321-674-8700).** *For confidential reporting, please contact CAPS at 321-674-8050.*

Suggested Syllabus Language
J. Oglesby: 02/06/2015

Fanak Baarmand has the position of Title IX Coordinator for the university. All incidents or complaints concerning Title IX policy violations should be referred to her.

Office: Room 135, Quad 401, Miller Building Extension: 8885
Email: fbaarman@fit.edu

Plagiarism

Students are encouraged to help each other on assignments, but plagiarism and use of external Question & Answer sites are prohibited.

- First violation: zero on assignment/test

- Second violation: 'F' for the course

Grades

- 25%: Homework 1

- 25%: Homework 2

- 25%: Homework 3

- 25%: Homework 4

- A: 90%, B: 80%, C: 70%, D: 60%, F: 0 – 59%

References

Bloom, B. S. (1956). Taxonomy of Educational Objectives: The Classification of Educational Goals. D. McKay Co., New York.

Lipson, C. (2004). Doing Honest Work in College: How to Prepare Citations, Avoid Plagiarism, and Achieve Real Academic Success. University of Chicago Press, Chicago.

Paul, R. and Elder, L. (2001). A Minature Guide to Critical Thinking: Concepts & Tools. The Foundation for Critical Thinking. www.criticalthinking.org.