

Administrative Details

CSC 586E OSSE

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Administrative Details



- I expect people to participate
- This is a **research** oriented course
- Web page: <http://turingmachine.org/opensource>

This is a discussion course



- Our goal is to:
 - Discuss as many research papers as possible
 - Understand the current state of the art in research in open source software engineering
 - Immerse ourselves in an open source project
- We will present and discuss papers item,
- and progress reports on the projects

Marking



- Breakdown:
 - Participation: 10%
 - Presentations: 20%
 - Open source project: 30%
 - Research paper: 40%
- You should pass the research paper to pass the course.

Readings



- For 60-70% of lectures, we will have 2 readings
- You are **expected** to read the papers
- Your participation mark will depend on it

Presentations



- Everybody is expected to serve as a **discussion** leader for 2 papers during the term
- Everybody **should** have read the paper
- Presenter is expected to:
 - Present major points
 - Present contentions points
 - Present different or opposing views
 - Lead a discussion around them
- You will have 30-45 minutes

Open Source Project



- The objective is to **join** an open source project
- You are expected to report on the following:
 - Project objectives
 - A brief history of the project
 - Organizational structure: how many members it has, how are they organized, how are decisions taken, where are they located
 - Toolkit: what tools are used

Open Source Project



- You are expected to report on the following...
 - License: why was a given license chosen?
 - Communication: how do the developers communicate, how do they resolve differences
 - Software engineering practices followed by the project: how are requirements gathered, how is design made, how is work split... etc

Open Source Project...



- You are also expected to become a contributor
 - Join a community of your choice
 - Contribute to it:
 - * source code,
 - * documentation,
 - * bug reports,
 - * anything that the project deems a contribution
 - You should keep a log of your attempts to be a **contributor**: why did you choose it, how did you choose your contribution, how did you try to get your contribution accepted, was it accepted?

Open Source Project...



- The final result is a 10 pages paper.

Research Paper



- You are expected to choose a topic
 - It can be a **new** research one
 - It can be a survey of papers
- The final result is a **research style** paper (10 pages)

Outline



- What is free and open source software (FOSS)
- Software engineering practices in FOSS
- A survey of FOSS projects
- FOSS as global software development
- Empirical studies of FOSS
- The economics of FOSS
- Licensing and intellectual property