The Capstone

Class 42

Catalog

Capstone Integrating Experience

To assist students in the integration and synthesis of knowledge, each major plans a "capstone," or culminating experience, for seniors. The capstone experience primarily prompts seniors to reflect on the knowledge they have gained throughout their learning experiences and to integrate the knowledge, skills, and attitudes of liberal learning with an in-depth understanding of the major. Such unified understanding characterizes the educated person, able to apply academic learning to real life situations.

The CS Capstone

- every CS major is required to do a capstone experience
- if you are a double major, you can do a combined capstone if the other major allows it
- it must still satisfy the CS requirements
- the CS capstone is not part of a course
- you are responsible for
  - initiation
  - approval
  - completion
  - presentation
  - paper

- CS department policy: you can begin working on your capstone experience after successfully completing CS 310
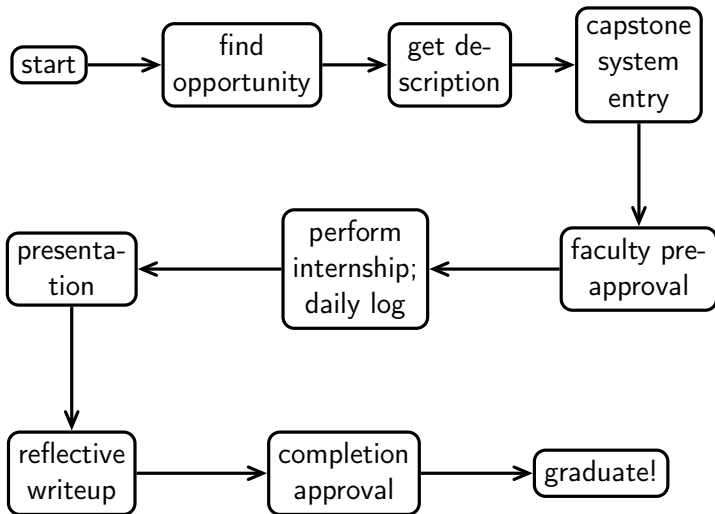
The CS Capstone Guidelines

`http://wp-internal.truman.edu/cs/` $\rightarrow$ Capstones $\rightarrow$ document

- cannot be equivalent to an assignment or project from a course
- even if you have not taken that course
- web-based systems face particular scrutiny for pre-approval; the bar is high

- you may do a capstone as part of a small group project
- your portion of the project must be clearly delineated
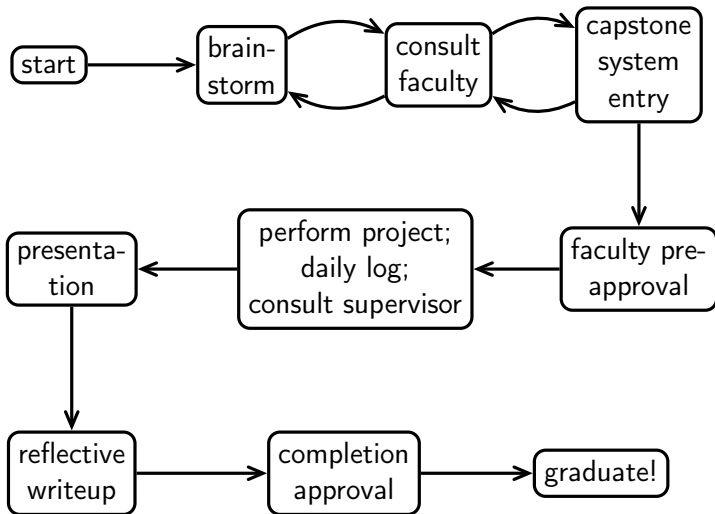- not everyone on the project need use it as their capstone

Capstone Categories

- Corporate Internship
- Research Internship
- On-Campus Software Project
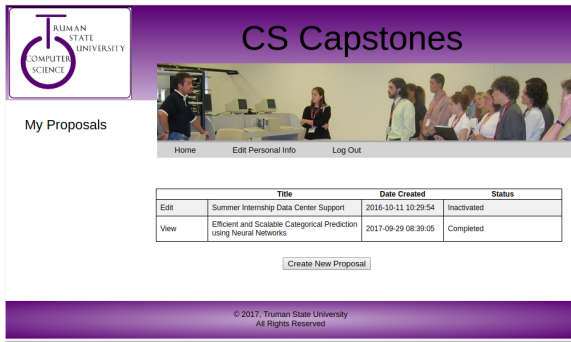- Personal Software Project
- Individual Research

Capstone Process — Internships

start → find opportunity → get description → capstone system entry → faculty pre-approval → perform internship; daily log → presentation → reflective writeup → completion approval → graduate!

Capstone Process — Individual Projects

Online Capstone System

- `wp-internal.truman.edu/cs/` $\rightarrow$ Capstones $\rightarrow$ system
- student-written system inherited by me
- log on via CAS with your Truman info

CS Capstones
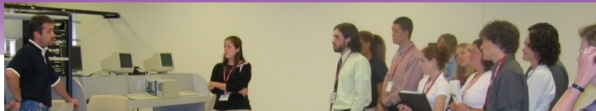
Capstone Pre-Approval Form

boss if internship
faculty if personal project

Capstone Type: Select One

Physical location of student during capstone experience

Inside US ☑
Outside US ☐

City: _____   **State:** Missouri

Experience Supervisor: _____

Capstone Title: _____

Experience Description:

Online System Prior to Pre-Approval

1. confirm personal information
2. enter company name (if internship), experience supervisor, experience title, description
3. save information
4. consult with faculty
5. edit
6. notify faculty supervisor when it's ready to be considered
7. obtain three CS faculty approvals
8. Faculty 1 will change status to "pre-approved"
9. start work on your experience

Pre-Approval

- does not happen automatically

<div style="text-align: center; color: red;">

YOU MUST CONSULT AND
GET APPROVAL
FROM THREE CS FACULTY

</div>

Online System After Pre-Approval

- confirm personal information
- consult with faculty
- add Note if something substantial changes
- ask faculty supervisor to change project to Inactive if you abandon this project