

## CET/CSC 490 Specification Document Details/Format <sup>1</sup>

**Due: Tuesday November 08, 2022 midnight to electronic submission to Dropbox in D2L**

**Length:** At least 20 pages excluding title and evaluation pages, shared among team members  
• be sensible about diagrams!

### Tips:

- previews & questions are encouraged
- make sure each team member thoroughly checks & verifies all produced artifacts
- CETs must demonstrate that project will apply both hardware and software design

### Format:

- single-sided, double-spaced, 1" margin all sides
- Times Roman, 12 point
- figures labeled and referenced
- pages numbered and referenced in table of contents
- include references page as appropriate

### Content:

Title Page

Blank page titled "Instructor Comments/Evaluation"

Table of Contents (detailed)

Abstract (1 paragraph brief description of project and role of this document)

Description of the Document

Purpose and Use (of the document, a binding agreement between...)

Intended Audience (who all will read the document)

System Description

Overview (summarize functionality of system from client's perspective)

Environment and Constraints

End User Profile (background, skills, training)

User Interaction (mouse, keyboard, monitor, printer)

Hardware Constraints

Software Constraints (OS, compiler, other software running)

Time Constraints

Cost Constraints

Other Concerns

Acceptance Test Criteria

Testers (who all will test)

Criteria for User Acceptance

Integration of Separate Parts and Installation

System Modeling (use of ArgoUML here!)

Functional: Use Cases & Scenarios (**only samples of use cases, not all**)

Entity: Class Diagrams

Class name / description / type

Attributes

Dynamic: Statechart

States

Events

Transitions

Dataflow (Collaboration or Sequence) Diagrams (for different scenarios)

Components / Tools Needed (inventory and description of all hardware and software components needed for development and implementation of prototype)

Appendix: Glossary of Terms

Appendix: Team Details (workflow leader clearly documented and description of each team members' specific contributions)

Appendix: Writing Center report

Appendix: Workflow Authentication

References

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<sup>1</sup> Borrowed from Professor Sumey