

ITT Technical Institute
IT490
Capstone Project
Onsite Course

SYLLABUS

Credit hours: 4

Contact/Instructional hours: 50 (30 Theory Hours, 20 Lab Hours)

Prerequisite(s) and/or Corequisite(s):

Prerequisites: Completion of a minimum of 164 credits earned in the program of study including IT371 Advanced Routing and Switching II or equivalent and IT412 Voice and Data Integration or equivalent

Course Description:

A final project that incorporates the theories and skills taught in specified core courses of the program to provide a technology solution for solving a business problem by responding to a case study or an RFP. This is a team project-based course that simulates professional and business situations.

Instructor

Office hours

Class hours

I. MAJOR INSTRUCTIONAL AREAS

- Discussing the Request for Proposal (RFP) document
- Evaluating the business need defined in the RFP document
- Creating a team-based project plan
- Researching information for the proposal
- Creating a proposal as a response to the RFP document
- Maintaining a project logbook
- Creating the final presentation and handouts
- Presenting the proposal

II. COURSE OBJECTIVES

Upon successful completion of this course, the student is expected to be able to:

- Demonstrate understanding of the project requirement set forth in the RFP.
- Conduct a complete process of research and data gathering to prepare for the response proposal.
- Respond to the RFP in a professionally written proposal document.
- Present the solution to an audience and address any questions raised on the proposal (the response to the RFP).
- Demonstrate technical capabilities of the proposal by building segments of samples of the system (using existing software and hardware already in the program).
- Demonstrate ability to plan and manage the implementation of the proposal (by using Microsoft Project and/or other project management tools).
- Demonstrate the ability to work in a team with leadership visions.

III. Teaching Strategies

Curriculum is designed to promote a variety of teaching strategies that support the outcomes described in the course objectives and that foster higher cognitive skills. Delivery makes use of various media and delivery tools in the classrooms.

IV. TEXT AND SUPPLIES

Same as all other technical courses for the DCST program. May have the need to use all equipment/software that has been used in the previous quarters to fulfill the need of this course.

V. EVALUATION

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|---------------|-----|-----|
| Documentation | | 20% |
| Teamwork | 15% | |
| Project | 50% | |
| Presentation | 15% | |

Final grades will be calculated from the percentages earned in class as follows:

| | | |
|----|-----------|-----|
| A | 90 - 100% | 4.0 |
| B+ | 85 - 89% | 3.5 |
| B | 80 - 84% | 3.0 |
| C+ | 75 - 79% | 2.5 |
| C | 70 - 74% | 2.0 |
| D+ | 65 - 69% | 1.5 |
| D | 60 - 64% | 1.0 |
| F | <59% | 0.0 |