You may delete this page from the document that follows after reading.
It contains plain language about the copyright we've adopted from
Creative Commons.

It also contains a link to the summary for our copyright license. This summary should be consulted if you intend to copy and redistribute this material in any medium or format, or adapt, remix, transform, or build upon this material.

Click Here for information on the Creative Commons License we've adopted.

From **Creative Commons**:

This is a human-readable summary of (and not a substitute for) the license. Disclaimer.

You are free to:

- **Share** — copy and redistribute the material in any medium or format

- **Adapt** — remix, transform, and build upon the material

The licensor cannot revoke these freedoms as long as you follow the license terms.

Under the following terms:

- **Attribution** — You must give appropriate credit, provide a link to the license, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use.

- **NonCommercial** — You may not use the material for commercial purposes.

- **ShareAlike** — If you remix, transform, or build upon the material, you must distribute your contributions under the same license as the original.

No additional restrictions — You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits.

10-451-209 061926 Telecommunications Capstone

Course Outcome Summary

COURSE INFORMATION

Alternate Title: Telecommunications Capstone

Description:

10-451-209 TELECOMMUNICATIONS CAPSTONE ...provides an opportunity for students to successfully complete a major project integrating a range of telecommunications disciplines and skills. This course serves as a transition between traditional teaching and professional practice, where the instructor serves primarily as an advisor.

Instructional Level: 10

Total Credits: 2

Total Hours: 54

COURSE HISTORY

Status: Active

Active Date: 5/23/2021

Last Revision Date: 9/21/2023

Revised By: Kristina Wendricks (15002977)

Last Approval Date: 9/21/2023

Approved By: Kristina Wendricks (15002977)

COURSE COMPETENCIES

1. **Identify the need for products, services, processes, and systems within industry.**

   Status: Active

   Assessment Strategies

   1.1. On-the-job Performance

   1.2. Written Product

   Criteria

   Learners will be successful when they are able to:

   1.1. create scopes of work for industry project

   1.2. summarize scope of work to industry partner

   1.3. prepare task list to complete scope of work

   Learning Objectives

   1.a. Generate project proposals

   1.b. Explain the business viability aspects of projects

   1.c. Demonstrate community and global accountability

2. **Work effectively in teams towards common goals.**

   Status: Active

   Assessment Strategies

   2.1. On-the-job Performance

   2.2. Written Product

   Criteria

   Learners will be successful when they are able to:

   2.1. prioritize project task list

   2.2. assign project tasks to team members

   2.3. determine project task completion deadlines

   2.4. demonstrate working cooperatively and professionally with team members

   2.5. complete tasks by assigned deadlines

   Learning Objectives

   2.a. Create teams based upon functional expertise

   2.b. Value individual differences and abilities

   2.c. Work cooperatively and professionally

   2.d. Demonstrate personal accountability

3. **Test products, services, processes and systems.**

   Status: Active

   Assessment Strategies

   3.1. On-the-job Performance

   3.2. Written Product

   3.3. Critique

   Criteria

   Learners will be successful when they are able to:

   3.1. validate the project design was completed in accordance to industry standards

   3.2. validate the project met the needs of the industry partner

   3.3. verify scopes of work were completed

   3.4. summarize assumptions used in project design to project team

   Learning Objectives

   3.a. Solve problems effectively

   3.b. Validate the product, services and processes

4. **Demonstrate the ability to prepare and deliver reports.**

   Status: Active

   Assessment Strategies

   4.1. Written Product

   4.2. Report

   Criteria

Learners will be successful when they are able to:

4.1. summarize project

4.2. describe scopes of work

4.3. discuss successes completing project

4.4. discuss areas of improvement to complete project

4.5. summarize assumptions when completing project

4.6. discuss shortcomings in completing project

Learning Objectives

4.a. Communicate effectively to industry partner using written communication

4.b. Prepare written summary report

5. Prepare project specific designs.

Status: Active

Assessment Strategies

5.1. Written Product

5.2. On-the-job Performance

5.3. Drawing/Illustration

Criteria

Learners will be successful when they are able to:

5.1. attain data and materials for industry project

5.2. prepare submittals for industry project

5.3. identify assumptions used in project

5.4. complete calculations for industry project

Learning Objectives

5.a. Develop products, services, processes and systems

5.b. Think critically and creatively in conceptualizing the project design

6. Demonstrate the ability to prepare and deliver presentations.

Status: Active

Assessment Strategies

6.1. Oral Presentation

Criteria

Learners will be successful when they are able to:

6.1. orally present project design to industry partner

6.2. explain design process to industry partner

6.3. discuss any assumptions made for project

Learning Objectives

6.a. Communicate effectively to the industry partner using oral communication

6.b. Prepare presentation to industry partners