

# Advanced Technologies

## CIS-293 1

Fall Term 2022-2023 School Year Section 1 2.00 Credits 08/22/2022 to 12/09/2022 Modified 08/16/2022

### Course Description

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This course will allow to students to explore/research new technologies in the IT world, make use of the technologies, and present/demonstrate the technology to their classmates in a classroom setting. Prerequisite: CIS 130, CIS 196

### Outcomes

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#### Course Outcomes

Upon successful completion of this course, the student shall be able to

- Research new topics
- Work in groups
- Make better presentations

#### Program Outcomes

##### Science and Technology

- Develop software applications to solve a business problem.
- Demonstrate proficiency in the design and use of databases.

##### Problem Solving/Critical Thinking

- Appraise the strengths and weaknesses of one's completed work.
- Analyze a client's software requirements in order to develop possible solutions.

##### Professionalism

- Utilize professional resources (i.e. professional organizations, media and IT websites).
- Use effective time management skills.

##### Communication

- Research and present an IT topic using appropriate terminology.
- Write programs with clarity, efficiency, and accuracy.

### Additional Outcomes

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### Course Materials

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There is no textbook - students pick the topic and research the topic, build a demonstration, and then present to the class.

### Deliverables

This course will allow to students to explore/research new technologies in the IT world, make use of the technologies, and present/demonstrate the technology to their classmates in a classroom setting. What the program solves or demonstrates is up to the individual or small group.

New technologies is defined, for this class, as either a topic such as "cloud computing" or a computer language such as "Python". This can be new to you or expanding on something you already know. Everybody will be required to work in a group of 2 or 3 in at least 2 of the projects. The other 2 projects can be on your own or in a group.

Topic and plan is defined as listing the topic, a short description of what you expect to present and the members of your group if you have any.

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## Assignments

The main deliverable is 4 presentation in the class from your own research.

## ✓ Evaluation Procedures and Grading

### Criteria

Topic selection and status reports are 40% of your grade.

Presentations are 60% of your grade

### Breakdown

#### Grading Scale:

A = 89.5 - 100%	B = 79.5 - 89.49%	C = 69.5 - 79.49%	D = 59.5 - 69.49%	F = 59% and Below
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## ☰ Additional Items

## 📅 Course Outline

When	Topic	Notes
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When	Topic	Notes
		<p>Week 1: Turn in topic and plan – Start research</p> <p>Week 2: Research - turn in status Report</p> <p>Week 3: Research - turn in status Report</p> <p>Week 4: Presentations</p> <p>Week 5: Turn in topic and plan – Start research</p> <p>Week 6: Research - turn in status Report</p> <p>Week 7: Research - turn in status Report</p> <p>Week 8: Presentations</p> <p>Week 9: Turn in topic and plan – Start research</p> <p>Week 10: Research - turn in status Report</p> <p>Week 11: Research - turn in status Report</p> <p>Week 12: Presentations</p> <p>Week 13: Turn in topic and plan – Start research</p> <p>Week 14: Research - turn in status Report</p> <p>Week 15: Research - turn in status Report</p> <p>Week 16: Presentations</p>