

## Announcements

*New Announcements appear directly below the repositionable bar. Reorder by dragging announcements to new positions. Move priority announcements above the repositionable bar to pin them to the top of the list and prevent new announcements from superseding them. The order shown here is the order presented to students. Students do not see the bar and cannot reorder announcements.*

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### Create Announcement

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#### New announcements appear below this line

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##### **New Video Material on gem5 Installation**

Posted on: Saturday, April 8, 2023 3:18:03 PM EDT

Dear Everyone,

Greetings to you.

I created [a video](#) about the installation of the **gem5 simulator system**. Its name is "**gem5 Step-by-Step Installation.webm**" and it is available in the "**Course Content**" section of your toolbar.

Thank you.

Best Regards,  
Shayan (Sean) Taheri, Ph.D.  
Assistant Professor  
The Department of Electrical and Cyber Engineering (ECE)  
The Institute for Health and Cyber Knowledge (I-HACK)  
The Gannon University (GU)  
Electronic Mail (Email) Address: [taheri001@gannon.edu](mailto:taheri001@gannon.edu)  
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Website: [www.shayan-taheri.com](http://www.shayan-taheri.com)

Posted by: Shayan Taheri  
Posted to: 23SP  
Microcontroller Essentials 02

##### **Final/Third Exam Notification (Date and Time: May/04/2023, from 8:30 to 10:30 AM)**

Posted on: Wednesday, April 26, 2023 6:46:32 PM EDT

Dear Everyone,

Posted by: Shayan Taheri  
Posted to: 23SP  
Microcontroller Essentials 02

Greetings to you.

The **final/third exam** will be held on **May/04/2023, from 8:30 to 10:30 AM**. Please make sure to **read the exam scope** and have **a suitable understanding** of **the discussed topics** through studying the provided **materials** (i.e., all are available in the "**Course Content**" section of your toolbar).

Thank you.

Best Regards,

**Shayan (Sean) Taheri, Ph.D.**

Assistant Professor

The Department of Electrical and Cyber Engineering (ECE)

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The Gannon University (GU)

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## **Second Exam Notification (Date and Time: April/13/2023, from 9:30 to 10:00 AM)**

Posted on: Saturday, April 15, 2023 8:40:19 PM EDT

Dear Everyone,

Greetings to you.

The **second exam** will be held on **April/13/2023, from 9:30 to 10:00 AM**. Please make sure to **read the exam scope** and have **a suitable understanding** of **the discussed topics** through studying the provided **materials** (i.e., all are available in the "**Course Content**" section of your toolbar).

**Note:** Your second exams were graded and your scores are available in the "**Grade Center**" section of your toolbar.

Thank you.

Best Regards,

**Shayan (Sean) Taheri, Ph.D.**

Assistant Professor

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Posted by: Shayan Taheri

Posted to: 23SP

Microcontroller Essentials 02

## **New Material on gem5 Installation**

Posted on: Saturday, February 25, 2023 9:18:44 PM EST

Dear Everyone,

Posted by: Shayan Taheri

Posted to: 23SP

Microcontroller Essentials 02

Greetings to you.

I just installed the **gem5 simulator system** on my computer and created a tutorial document about the procedure. Its name is "**gem5 Step-by-Step Installation.pdf**" and it is available in the "**Course Content**" section of your toolbar.

Thank you.

Best Regards,  
Shayan (Sean) Taheri, Ph.D.  
Assistant Professor  
The Department of Electrical and Cyber Engineering (ECE)  
The Institute for Health and Cyber Knowledge (I-HACK)  
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## 2023 IEEE Region 1 and Region 2 Joint Student (Research) Conference

Posted on: Sunday, February 19, 2023 4:54:55 PM EST

Dear Everyone,

Greetings to you.

Hope everything is great with you. If you have any **research** project, senior design **research**-based project, and/or any high-quality course **research**-based project that you may want to present to others, please register for the upcoming "**2023 IEEE Region 1 and Region 2 Joint Student (Research) Conference**" event. The partly completed **research** efforts/project or the demonstrable **research** methodologies with certain preliminary results are acceptable as well. Effective participation in this conference can show your engineering skills and add significant values to your career resumes.

You can learn more about this event and register for it in: "<https://ieeer1.org/r1r2mainestucon>".

If you are interested in this conference, kindly send an email to me or **Dr. Md Tajmilur Rahman**, "[rahman007@gannon.edu](mailto:rahman007@gannon.edu)" for more information.

I am highly grateful for your understanding, valuable time, and considerations. Please let me know if you have any questions and/or comments.

Thank you.

Best Regards,  
**Shayan (Sean) Taheri, Ph.D.**  
Assistant Professor  
The Department of Electrical and Cyber Engineering (ECE)  
The Institute for Health and Cyber Knowledge (I-HACK)  
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Posted by: Shayan Taheri  
Posted to: 23SP  
Microcontroller Essentials 02

## IEEE Membership and IEEE Young Professionals Group

Posted on: Sunday, February 19, 2023 2:51:59 PM EST

Dear Everyone,

Greetings to you.

Hope everything is great with you. **Institute of Electrical and Electronics Engineers (IEEE) Young Professionals (YP)** is a group of IEEE members and volunteers who have graduated from their first professional degree within the past 15 years. It is an international community, whose members are interested in elevating their professional image, expanding their global network, connecting with peers locally, and giving back to their community. Since it encompasses all members from recent university graduates to experienced professionals and entrepreneurs, the group is highly diverse in what it has to offer. We are currently looking for volunteers who would be interested in Young Professional leadership roles at the Area and Region levels. A number of the responsibilities would be:

- 01.** Manage and lead IEEE Section Young Professional Affinity Group through the IEEE committee structure.
- 02.** Set-up and run Regional YP activities -- virtually, in-person, and both/hybrid as decided by group.
- 03.** Report on activities and represent the Region in IEEE activities, both virtually and in-person.

More information about IEEE YP can be found here: "[yp.ieee.org](https://yp.ieee.org)".

The **IEEE Women in Engineering (WIE)** International Scholarship: "<https://wie.ieee.org/wieinternationalscholarship>".

If you are interested in this volunteering opportunity, please email **Ms. Marwah B. Obaid**, "[obaid003@gannon.edu](mailto:obaid003@gannon.edu)".

The **IEEE Membership**: You need a reference to register, so kindly can use her full name and her related number. Also, please consider the following information as well as the **IEEE Materials** (i.e., available in the "**Course Resources**" section of your toolbar) in your IEEE registration process.

**Registration Fee: 32\$/Year** (After Discount: **\$16\$/ Year**). Discount Code: "**FUTURE50**".

**Marwah Obaid, M.Sc.**  
**Visiting Instructor of Computer and Information Science**  
**Department of Computer and Information Science,**  
**College of Engineering and Business,**  
**Zurn 310, Gannon University**

**109 University Square, Erie, PA, 16541**  
**Phone: (814)-323-6781**

I am highly grateful for your understanding, valuable time, and considerations. Please let me know if you have any questions and/or comments.

Thank you.

Best Regards,

**Shayan (Sean) Taheri, Ph.D.**

Assistant Professor

The Department of Electrical and Cyber Engineering (ECE)

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## Laboratory Computer-Related Issues

Posted on: Sunday, February 19, 2023 2:25:50 PM EST

Dear Everyone,

Greetings to you.

Please contact **Mr. John M. Little** only for laboratory computer-related issues (e.g., software installation):

**John M. Little**

**Lab Engineer, Electrical & Cyber Engineering**

**Adjunct Lecturer, Computer & Information Science**

**Phone: 814-871-7747**

**Office: Z 320**

**[little018@gannon.edu](mailto:little018@gannon.edu)**

Thank you.

Best Regards,

Shayan (Sean) Taheri, Ph.D.

Assistant Professor

The Department of Electrical and Cyber Engineering (ECE)

The Institute for Health and Cyber Knowledge (I-HACK)

The Gannon University (GU)

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Posted by: Shayan Taheri

Posted to: 23SP

Microcontroller Essentials 02

**Exam Notification (Date and Time:**  
**February/23/2023, from 9:30 to 10:15 AM)**

Posted by: Shayan Taheri

Posted to: 23SP

Microcontroller Essentials 02

Posted on: Monday, February 27, 2023 7:44:15 PM EST

Dear Everyone,

Greetings to you.

The first exam will be held on **February/23/2023, from 9:30 to 10:15 AM**. Please make sure to have a suitable understanding of the discussed topics through studying the provided materials (i.e., all are available in the "**Course Content**" section of your toolbar).

Note: Your first exams were graded and your scores are available in the "**Grade Center**" section of your toolbar.

Thank you.

Best Regards,

**Shayan (Sean) Taheri, Ph.D.**

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## New Course Contents and Resources - May/15/2023

Posted on: Monday, May 15, 2023 5:30:17 AM EDT

Dear Everyone,

Greetings to you.

The following materials are available in the **GU - Blackboard Learn** environment.

Case 25. Item "CYENG225\_ThirdExam\_Scope\_SP23" (in the "**Course Content**" section of your toolbar).

Case 24. Item "CYENG225\_Assignment6\_SP23" (in the "**Course Content**" section of your toolbar).

Case 23. Item "CYENG225\_Assignment5\_SP23" (in the "**Course Content**" section of your toolbar).

Case 22. Item "CYENG225\_SecondExam\_Scope\_SP23" (in the "**Course Content**" section of your toolbar).

Case 21 (Updated). Item "CYENG225\_SP23\_Lecture10\_Chapter10" (in the "**Course Content**" section of your toolbar).

Case 20 (Updated). Item "CYENG225\_SP23\_Lecture09\_Chapter09" (in the "**Course Content**" section of your toolbar).

Case 19 (Updated). Item "CYENG225\_SP23\_Lecture08\_Chapter08" (in the "**Course Content**" section of your toolbar).

Case 18. Item "CYENG225\_UsefulResources\_SP23" (in the "**Course Content**" section of your toolbar).

Posted by: Shayan Taheri

Posted to: 23SP

Microcontroller Essentials 02

Case 17. Item "**CYENG225\_IDE\_Tutorials\_SP23**" (in the "**Course Content**" section of your toolbar).

Case 16 (Updated). Item "**CYENG225\_SP23\_Lecture07\_Chapter07**" (in the "**Course Content**" section of your toolbar).

Case 15. Item "**CYENG225\_SP23\_Lecture06\_Chapter06**" (in the "**Course Content**" section of your toolbar).

Case 14. Item "**CYENG225\_SP23\_Lecture05\_Chapter05**" (in the "**Course Content**" section of your toolbar).

Case 13. Item "**CYENG225\_SP23\_Lecture04\_Chapter04**" (in the "**Course Content**" section of your toolbar).

Case 12. Item "**CYENG225\_Assignment4\_SP23**" (in the "**Course Content**" section of your toolbar).

Case 11. Item "**CYENG225\_FirstExam\_Scope\_SP23**" (in the "**Course Content**" section of your toolbar).

Case 10. Item "**CYENG225\_Assignment3\_SP23**" (in the "**Course Content**" section of your toolbar).

Case 09. Item "**VLSI Design (Introduction) - Additional Materials**" (in the "**Course Content**" section of your toolbar).

Case 08. Item "**Computer Architecture (Review) - Additional Materials**" (in the "**Course Content**" section of your toolbar).

Case 07. Item "**Digital Logic Design (Review) - Additional Materials**" (in the "**Course Content**" section of your toolbar).

Case 06. Item "**CYENG225\_Assignment2\_SP23**" (in the "**Course Content**" section of your toolbar).

Case 05. Item "**CYENG225\_SP23\_Lecture03\_Chapter03**" (in the "**Course Content**" section of your toolbar).

Case 04. Item "**CYENG225\_SP23\_Lecture02\_Chapter02**" (in the "**Course Content**" section of your toolbar).

Case 03. Item "**CYENG225\_Assignment1\_SP23**" (in the "**Course Content**" section of your toolbar).

Case 02. Item "**CYENG225\_SP23\_Lecture01\_Chapter01**" (in the "**Course Content**" section of your toolbar).

Case 01. Item "**CYENG225\_SP23\_Syllabus.pdf**" (in the "**Syllabus, Schedule, Policies**" section of your toolbar).

Thank you.

Best Regards,  
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The Institute for Health and Cyber Knowledge (I-HACK)  
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Website: [www.shayan-taheri.com](http://www.shayan-taheri.com)

## New Course Contents and Resources - January/22/2023

Posted by: Shayan Taheri  
Posted to: 23SP  
Microcontroller Essentials 02

Posted on: Sunday, January 22, 2023 7:09:13 PM EST

Dear Everyone,

Greetings to you.

The following materials have been uploaded into the **GU - Blackboard Learn** environment.

Case 1. File "**CYENG225\_SP23\_Syllabus.pdf**" (in the "**Syllabus, Schedule, Policies**" section of your toolbar).

Case 2. Files "**CYENG225\_Lecture\_10Jan2023.pdf**" and "**Chapter 01.pdf**" (in the "**Course Content**" section of your toolbar).

Case 3 (New). File "**CYENG225\_Assignment1\_SP23.pdf**" (in the "**Course Content**" section of your toolbar).

Thank you.

Best Regards,  
Shayan (Sean) Taheri, Ph.D.  
Assistant Professor  
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