CoE 163

Computing Architectures and Algorithms

CoE 164

Computing Platforms

Listing Information

The CoE 163 and CoE 164 handlers are looking for at least two (2) student or graduate assistants that will help us with administration and evaluation of requirements of students in the two aforementioned courses during the 2nd Semester AY 2022-2023.

Course Information

Academic Period: 2nd Semester AY 2022-2023

Units: 3

Workload:

- *CoE 163:* 3 hours lecture per week
- *CoE 164*: 3 hours laboratory per week

Instructors:

- CoE 163
  - Carl C. Dizon [carl.dizon at eeemail]
  - Isabel M. Austria [isabel.austria at eeemail]
- CoE 164
  - Carl C. Dizon [carl.dizon at eeemail]
  - Nestor Michael C. Tiglao [nestor.tiglao at eeemail]

Course Synopsis:

- CoE 163
  - This course aims to 1) present the connection between algorithms, implementation, and computer architecture, 2) provide tools needed to write and apply fast numerical code, and 3) present representative fundamental numerical algorithms.
- CoE 164
  - This course aims to 1) build and evaluate efficient computing platforms, 2) present algorithms, methods, and tools needed to solve challenging problems, and 3) practice sound engineering judgment in solving engineering problems.

Delivery Method: Video and on-site lectures and digital materials

Online Platforms: UVLe, Piazza, Google Meet, Zoom, other quiz platforms.

Qualifications

- An officially-enrolled undergraduate or graduate student of EEEI for the 2nd Semester AY 2022-2023
- Is preferably not overloaded this semester (> 18 units for undergraduate, > 6 units for graduate)
- *For undergraduates*: Passing grade in CoE 163 and CoE 164
- No unresolved or failing grades in the immediate previous semester (i.e. INC, DRP, 4.0, or 5.0 last 1st Semester AY 2022-2023)
- Willing to attend any optional synchronous sessions of CoE 164
- Willing to learn new concepts that will be taught in the two courses during the semester

Tasks

- Check quizzes, software exercises, and problems
- Answer student inquiries during synch lab sessions
- Inform instructors on student concerns

Application Process

- Send an intent message to carl [dot] dizon [at] email with the following requirements:
  - *Subject header:* [CoE 163/164] SA/GA Application
  - *Attachments:*
    - CRS printout/screenshot of grades (as PDF file)
    - *Final* academic schedule for the 2nd Semester AY 2022-2023 (as PNG file downloaded from CRS)
      - If any, please include other commitments outside of your academic schedule in the intent message.
  - *Optional content*: You can write additional information in the message or attach other documents (e.g. resume) that may help us evaluate your suitability for the work. First impressions matter!
- Wait for a confirmation email of receipt of the intent message within the day. If you have not received a receipt email, please check first whether you have followed the required format and attachments for the intent message. Otherwise, please follow-up after at least three (3) class days (i.e. Tuesday-Friday only).
- We will inform you whether you have been selected as our student or graduate assistant at the earliest on 20 February 2023.