



CoE 164

Computing Platforms

Course Information

Academic Period: 2nd Semester AY 2020-2021

Units: 1

Workload:

- 3 hours laboratory per week

Instructors:

- Carl C. Dizon [carl.dizon at eeemail]
- Nestor Michael C. Tiglao [nestor at eeemail]

Synopsis: 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 judgement in solving engineering problems.

Delivery Method: Digital materials and open-time laboratory sessions

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

Grading Rubric

55% Machine problem 01 (MP01)

55% Machine problem 03 (MP03)

45% Machine problem 02 (MP02)

30% Machine exercises (ME) (bonus)

Numerical Grading Scheme

For them to have another chance at accomplishing tasks for this course, students who receive a failing grade will be marked with an INC instead. Additionally, it is an internal policy to not give a failing (5.0) or conditional (4.0) grade this semester.

Min (inclusive)	Max (exclusive)	Numerical Grade
92	131	1.00
88	92	1.25
84	88	1.50
80	84	1.75

76	80	2.00
72	76	2.25
68	72	2.50
64	68	2.75
60	64	3.00
0	60	INC

INC Conversion Guidelines

- This INC is a normal one, which you can complete within one (1) academic year as long as you are officially enrolled.
 - This means that you can complete CoE 164 starting Mid Year 2021.
 - Guidelines on lapse of completion of this INC after one academic year are still unclear pending guidelines of UP Diliman during this pandemic.
 - Pre-pandemic handling of lapsed INCs involve resolving your grade to a DRP.
- Converting the INC **requires** you to submit the following requirements.
 - **MP03**, which will cover another topic within CoE 161 and will substitute for your "missing" MP01.
 - **ME03**, which will cover another topic within CoE 163. Note that compared to the original offering, this ME is *required*.
- Deadlines for these additional academic requirements will be at the last day of classes of that semester when intent of completion is expressed.
- *Expressing interest* in converting your INC requires you to **submit at least MP03** within the prescribed time frame. Non-submission of this means that you have no interest in completing the course at that semester. Note that expression of interest is not the same as fully completing the course.
- The grading scheme for completion is similar to that of the grading scheme for the first offering of the course.
 - The grade for the MEs will be computed by averaging grades of the *existing and non-zero* ME01 and ME02 submissions, and the additional ME03 submission.
 - This means that if you have not submitted, for example, ME01, that *will not be* part of the computation.
 - Submissions for MP02, ME01, and ME02 *will not be accepted anymore* as reference solutions to these have been released.

Academic Requirements Submission Guidelines

- Machine exercises and problems will have a deadline at the last day of classes of that semester when intent of completion is expressed.

- Deadlines will always be at 11:55 PM, GMT+8 (Philippine Standard Time) of that date
- Machine exercise and problem source codes should be submitted via the generic submission bin via Google Forms
 - A submission bin will be provided to upload source codes, which instructors will give a grade to that at the earliest a week after submission if the student expressed immediate grading
 - A real-time submission platform to check your own code may be imposed during the latter parts of the course
- Late submission of machine exercises and machine problems may be entertained, but will have deductions.
 - If this is submitted after the general deadline, scores will be reduced to 75%.
 - For example, if you got a perfect score in this MP, you only get 75%.
 - To provide ample time for the instructors to evaluate the grades of students, we can only accept late submissions until **fourteen (14) calendar days before the deadline of grades for each semester**. Any submissions after the dates will not be entertained and will preclude you from completing the course during that semester.
- Submission platforms usually have certain instructions, such as how to upload the files, which form the files should be, and how to fill-out the necessary forms. Failure to comply with the instructions will result in the final grade of the offending submission reduced by 5%.
 - For example, if you got a perfect score in an MP, you only get 95%.
- Multiple deductions in a submission add up. This means that each deduction is first computed against the no-deduction score. Then, all of these deductions are added and finally subtracted against the no-deduction score to yield the final score for the submission.
 - For example, if you got a 5% deduction for not following the submission instructions and a reduction of score to 90% due to a late submission, the total reduction would be to 85%.
- Academic dishonesty is strictly frowned upon.
 - This includes one-to-one copying of segments or whole source codes from other colleagues from the past, present, and future.
 - Substantial code snippets fetched from the internet (i.e. at least 25% of the whole submission) should have appropriate internet links to the source.
 - Guilty students will face a case with the Student Disciplinary Tribunal (SDT) if strong evidence has been collected.
- Students have the obligation to inform the instructors if they have any difficulties fulfilling the requirements due to material problems, overloaded academic work, and others.