

EGR 192-Syllabus

COURSE TITLE: Engineering Seminar (1 units)

Fall Semester 2020– California Baptist University/ College of Engineering

GENERAL INFORMATION

Lectures: Mondays from 3:45 PM – 4:45 PM

Location: **YCTR A112**

Instructor: **Dr. Mario A. Oyanader (Dr. O.)**

Office: **TEGR 349**

Phone: **(951) 552-8493**

E-mail Address: moyanader@calbaptist.edu

Office Hours: Mondays, Wednesdays and Fridays from 8:00 am - 10:30 am. Also, appointments in a different time are possible if I am available. It is always wise to warn me of your intent to meet. I do sometimes have other commitments, but I will try to give student conferences a high priority. In addition, I also encourage you to call if you have a short question. When you call, please have your work handy and give a clear description of what you have already done. On the other hand, if you send an E-mail asking for **urgent help**, it is always good to **provide a call back number** to expedite getting back to you with an answer.

REQUIRED TEXTBOOKS and RESOURCES:

- No Textbook required. Handouts may be supplied if needed.
- “CLICKER” Response Device [**Required**]
(Turning Point Technology, Models NXT, QT and QT2).

PRE/CO –REQUISITES:

None



COURSE DESCRIPTION: Different speakers of importance to the engineering profession will make presentations. Included are area engineering leaders and professionals as well as nationally recognized contributors to the profession of engineering. A two page '4MAT' response which includes a one page executive summary will be required. Reflections should be included in the EGR192 response. May be repeated for credit.

COURSE PURPOSE: EGR 192 is a seminar course with invited speakers sharing what they do in the world of engineering from a variety of backgrounds and activities. It is designed to expose freshman students in engineering to the various disciplines of engineering. At the end of the course the student should have a broader understanding of the field of engineering, contemporary issues and opportunities that exist within several of its disciplines. Moreover, the student should be able to differentiate the most specific roles among the various engineering disciplines and use this knowledge to make an informed decision on career options and planning.

COURSE WEBSITE – EGR 192 BLACKBOARD: From time to time, a variety of resources will be posted to the class blackboard site. For this reason, **students are expected to check this course website and their CBU e-mail addresses at least once every 24 hours.** Your instructor may also use Blackboard to post class announcements and reminders. Blackboard can be accessed at <http://calbaptist.blackboard.com> or through the blackboard quick-link on the InsideCBU home page. Once you are logged into blackboard, click on the EGR 192 course. Click on any of the course content to find most posted materials. This important document and course schedules will be posted under "Syllabus & Schedule" in case you misplace your copy.

CLASS SCHEDULE: One 60 minutes classroom session per week.



**MAIN GENERIC ABET ENGINEERING STUDENT OUTCOMES (SO)
CRITERIA 3 (1-7):**

SO 4 – an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts

SO 7 – an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

COURSE OUTCOMES: Upon completion of this class, the student will be able to:

1. Recognize ethical standards and professional codes of conduct for engineers. [4]
2. Explain what engineers do in the various engineering discipline. [4,7]
3. Describe the impacts of current events on engineering practice [4,7]

COURSE REQUIREMENTS (GRADING *)

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|----|----------------|-----|
| 1. | 4MAT Homeworks | 50% |
| 2. | Attendance | 50% |

GRADING SCALE: The following grading scale will be used.

93%-100% : A	90%-93% : A-	
87%-90% : B+	83%-87% : B	80%-83% : B-
77%-80% : C+	73%-77% : C	70%-73% : C-
67%-70% : D+	63%-67% : D	60%-63% : D-
Below 60 : F		

CHECKING GRADES: Grades will be posted on the *Blackboard* grade book.



DESCRIPTION OF MAIN GRADE COMPONENTS:

4MAT Homeworks: This grade component is worth 50% of the final course grade. Each week, every student will need to complete a portion of a 4MAT response for that week's speaker. However, the response only needs to include parts II and III of the usual full 4MAT report. So, part II should include a **220 to 250 words long** page personal response **indicating what you thought, what you found interesting**, etc. This is not the place to critique speaking ability or focus on what you didn't like. **The main purpose is to reflect** on what you have learned from the speaker not to summarize (and you can learn something from every speaker even if you are not interested in their technical area). And it should include part III - **3 to 4 questions** that you had either for the speaker or general questions that arose in your mind (These are not banal but rather intelligent questions). This section of questions should include a total of **90 to 120 words**.

All assignments will be due at noon on the Friday following the speaker and should be turned in electronically to Blackboard under 4MAT Reports (see tentative schedule table). All assignments must be turned in satisfactorily in order to pass the course. 4MAT Reports cannot be submitted by email.

4MAT Report Grading Rubric: The report will be graded out of 100 points. Part II (70%) will be evaluated based on content (70%), format (10%), and grammar/spelling (20%). Part III (30%) will be evaluated based on the relevance of the questions. The total grade cannot exceed 100%. If the instructor feels that there are excessive grammatical/spelling errors or that too little has been submitted, he may ask (via email) for a revision to be submitted. The revision will be due 1 week following the sending of the email notification in order to receive credit for the assignment. If a revision is not received, the assignment will be given a grade of zero and a revision will still be needed by the final deadline in order to pass the class.

Late Policy

Assignments turned in late (after the due time) will be penalized 25 percent (25 points) per day of late submission. Assignments handed in more than 4 days late (after noon on the following Monday) will receive a score of zero,



but **all assignments must still be turned in satisfactorily in order to pass the class.** The final date to turn in all assignments (even late ones for no credit) is noon on **Friday 20th of November.** **Late final assignments will not be accepted and will result in the student not passing the course. It is the student's responsibility to make sure on Blackboard that all assignments have been received.**

Attendance

Attendance will be taken using clickers. At the beginning or the end of every session, there will be a 5-minutes window to sign in electronically. Missing this time window at a) the beginning will be considered tardiness and b) the end will be considered absence. **If you are in any way tardy a sign-in sheet will be made available before the end of each class period. It is the student's responsibility to make sure that he/she has signed in.** Students must sign in for themselves. **Signing in for another student who is absent is considered academic dishonesty and will result in a grade of "F" for the course.** **Attendance at all presentations is required.** Each unexcused absence will result in a 10% deduction from the attendance portion of your grade. Since attendance makes up 50% of the course grade, each unexcused absence will lead to a reduction of 5% of the course grade. **More than 3 unexcused absences from Seminars will result in a grade of "F" for the course.** In order for an absence to be considered excused, students must notify the instructor with their reason for being absent within 24 hours of the class date. The instructor will decide if the absence is excused or if more information is needed (doctor's note or similar). Missing to sign in electronically and/or manually are not valid excuses **(Witnesses of attendance or Class-notes are not valid excuses).** **In either case (excused or unexcused) students will have to do additional work to make up for each absence from class.** Working on material not related to the course, tardiness, sleeping, and not following expectations are all ways to have the attendance portion of the overall grade reduced.



Homework after Absences

Students who miss class (with either an excused or unexcused absence) will need to watch a video of the presentation (loaded on BB the Thursday following class) and **write up part I (executive summary - 250 to 330 words long) of the 4MAT in addition to parts II and III.** This will be due by noon on the Monday following the speaker (see tentative schedule table). In this case, Part I and II will receive a 35% each of the overall grade and they will be evaluated following the same rubric.

The video is not intended to be professional but it does provide a second chance opportunity for those missing a session. Please be grateful. The video will be up for a short period of time due to memory space limitation. Take advantage of it promptly.

Extra bonus opportunity

After each presentation, students are encouraged to participate in a brief survey of 12 questions about the content just delivered. This survey is anonymous and responding is completely voluntary. You are not obligated to participate; however, if you do you will get 10 points each time. The accumulation of 100 points and/or above can be redeemed, at the end of the semester, as a replacement of a single full 4MAT report you submitted but obtained the lowest grade of all (must be a non-zero). Each survey will open at 4:30 PM and close at 11:50 PM of the day of the presentation. Students missing a class will also miss the extra credit opportunity.

IMPORTANT POLICIES:

Students with Disabilities- Students who have qualified disabilities and wish to arrange the appropriate accommodations, in addition to the general academic support services coordinated by the Academic Resources Center, must identify themselves to the Director of Disability Services. Disabled students who wish to arrange appropriate accommodations must complete and submit a Request for Accommodations form and provide recent (not older than 3 years) diagnostic test results. Students must also notify the instructor at the beginning of the course, indicating his or her desire to receive



appropriate accommodations. You are also required to make an appointment with me to negotiate the recommended accommodations in light of the requirements of this particular course.

Ethical Conduct and Behavior - Professionalism is expected from every student during the course of this semester.

1. Copying answers from other students or from any other source is not considered ethical behavior. Most importantly, you will never learn the mechanics in solving problems.
2. Academic honesty is of high priority; therefore, any form of cheating will not be tolerated.
3. Cellular phones must remain turned OFF during any class session. Texting or else is prohibited.
4. The fact that you are allowed and encouraged to use your personal computer in this class does not mean that you have permission to read or answer E-mails, navigate the Web without the instructor permission, play games on-line, listen to music, and such that will distract you and your peers during class sessions.
5. The instructor will be recording each presentation. Students should not individually record a presentation without explicit permission at the beginning of each class day.
6. Once a class begins, no one is allowed to leave the classroom, without expressed permission from the instructor, until the class is over. Attend all your personal business before class.
7. No food may be eaten in the classroom at any time, unless specific permission is granted before class on a case by case basis.
8. Drinks (e.g., coffee, water, etc.) may be consumed during class as long as it is not disruptive of the learning environment and not against classroom rules.
9. At the end of class, all students are expected to clean up after themselves.
10. More in your Student Handbook and Catalog Supplement.

Violation of ethical conduct and behavior will make you lose one-letter grade or simply fail the class.



Plagiarism – Plagiarism refers to representing work as your own without giving credit to the original author. Paraphrasing another person's work without citing the author is also plagiarism. For this course turning in work that you completed for another course is unacceptable. Also, turning in work that has been copied from a solution key or another student's assignment is unacceptable. All university policies pertaining to plagiarism will be enforced in this course. You can read those policies in the CBU Student Handbook. If you plagiarize in this course, you will receive an F on the given assignment and may receive an F in the course overall. As a point of information and clarification, you may wish to visit the following website: <http://www.plagiarism.org>

Academic Integrity - All work submitted for grading must be your own. Any evidence of plagiarism, academic dishonesty, or other violations of the CBU Honor Code may constitute grounds for a failing grade in the course and will at the least lead to no credit for the exam or assignment in question. The course penalty for violating the Honor Code will be determined by the instructor. Any incident of academic dishonesty (cheating, plagiarism, copying, and other forms) must be reported to the Dean of Students. A first incident of cheating may be handled at the discretion of the instructor in consultation with the Dean. Judicial sanctions may include, but are not limited to, loss of a letter grade or failure in the course in which the offense occurred, suspension, and/or dismissal from the University. A detailed discussion of academic dishonesty appears in the CBU Student Handbook. For further guidance please refer to the CBU Student Handbook for the CBU Honor Code and to the College of Engineering Policy on Academic Integrity.

Netiquette -" Netiquette" is network etiquette—that is, the etiquette of cyberspace. And "etiquette" means "the forms required by good breeding or prescribed by authority to be required in social or official life." In other words, netiquette is a set of rules for behaving properly online.



LIVE YOUR PURPOSE

Virginia Shea has defined the issues, and discussed them at length, in her book *Netiquette*. You may want to review a brief summary of her “Core Rules of Netiquette”. This resource won't answer all netiquette questions, but it will provide some basic principles to use in solving many netiquette dilemmas.