

Senior Engineering Course Outline

Teacher: Mr. Vucko

Room: 207

January 2019

Senior Engineering is a survey course of skills, practices, and content involved in engineering. Students will be exposed to engineering in a project based learning format. The course will consist of three units: Civil engineering, Mechanical engineering, and Electrical engineering. Students will acquire skills related to engineering design, public speaking, working in a collaborative team environment, project and systems management, and problem solving.

Absences:

Do not be absent from class. If you know you are going to be away on a test or quiz day because of a school function, you will need to write the test or quiz **before** the scheduled day (no exceptions). If the test or quiz is not written then the midterm or final exam section mark will replace the missed test or quiz mark. All absences need to be excused by a note, email, or phone call to the office by a parent/guardian. The attendance line is 658-6666. Not being ready to write a test or quiz is not an excuse to be absent on a test or quiz day. **Please note that it is not a school expectation for staff to re-teach lessons or design make-up assignments for students who are absent. Absent students will need to get notes from their classmates or the course website, and try the review questions. Once this has been done then students are more than welcome to come and ask questions. Missed assignment data can be obtained from partners and submitted as per normal.**

Interim reports:

I encourage parents to engage their son/daughter about student progress in the course. The only mark that counts and is fully up to date is the mark that appears on the final report card. Any mark before the final report is simply a snapshot of how the student is performing on a particular assignment or the course so far. If parents want to know how their son/daughter is performing in the course then I encourage them to ask their son/daughter first or to access simplegradebook online. If their son/daughter does not know how they are doing in the course then the student needs to come and first ask me. If the student is still not able to indicate how they are doing in the course then I encourage parents to send me an e-mail and I will respond as soon as possible. For those students who are achieving less than 60%, an interim report will be sent home at the end of the first and third month. A regular interim report card will be issued at the end of the second month and a final report card will be issued at the end of the course. If you are in jeopardy of failing the course, the interim reports will serve as your letter grade "I" designation and plan of assistance notification.

Homework:

The amount of homework will vary. Half an hour of homework (each night) from Monday to Thursday and some time during the weekend should be enough to be successful in this course. Extra help is available by appointment. **Homework must be done in order to give you the best chance of doing well in this course.**

Work Habits:

A strong work ethic and a mature attitude towards studies becomes critical for success in any course.. As the classroom teacher, I will support you in your transition from adolescent student to young adult academic learner. Working the entire class period, asking timely questions, doing homework, attendance, tardiness, coming for extra help, extracurricular activities, and jobs all affect your school performance. Minimize the activities that distract you from your role as student. I will be monitoring your work habits and changing the work environment in order to maximize your in-class performance. Lab partners will be assigned, seating plans will be changed, individuals will be moved and parents will be contacted in order to achieve the goal of maximizing your in-class performance. Parents are asked to help maximize student learning by reducing student activities that detract from their son's/daughter's academic pursuits.

Electronic Devices:

No cell phones, iPods, or any electronic device other than a scientific calculator will be used in class unless for academic reasons. Cell phones will not be used as calculators during testing.

Supplies:

You will need the following supplies: notebook and paper, pen and pencil, ruler and protractor, and scientific calculator.

Evaluation: Quizzes and tests: 30% Class activities: 10% Senior Engineering project: 20%
Engineering assignments: 20% Final exam: 20%

Parents please e-mail me at jyucko@sd63.bc.ca to confirm that you have read this course outline and so that I may collect your e-mail address for school/student related communication.