CMP 2102 Electric Circuits and Signals
Peer Review Assignment 2018

1. Assignment Objectives

- To promote critical thinking of crucial concepts in CMP 2102 Electric Circuits and Signals
- To emphasize reading and collaboration skills
- To encourage critical engagement with colleagues.
- To encourage self-assessment and on-going reflection so that students use feedback to improve in the next semesters.

2. Assignment Brief

You have been studying CMP 2102 Electric Circuits and Signals for the last 10 weeks.

Identify one application where you think that the knowledge you have acquired in this module can be applied. Design the circuit for this application and in your design, use and state the principles that you have used. Give the values of all the circuit components used.

Use simulation software such as MULTISIM or OrCAD to simulate your design. Compare the calculated and the simulated results and analyze the results. In your report, do not forget to include the schematics, the simulation waveforms, etc.

3. Peer Assessment Guidelines

In this assignment, your answers will be graded by your peers, according to the grading rubric below.

3.1 Peer Grading

After submitting your answers to this peer review assignment task, you will get the opportunity to grade the work of **three** of your peers and provide them with written comments. Your own work will also be assessed by your peers, from which we will get your grade.

3.2 Ethical Code of Conduct

Please remember that you have agreed to the ethical code of conduct of the university and your submission should be entirely yours. If you need to quote material, remember to cite your source and provide references at the end of your work. Plagiarism will not be tolerated.

4. Grading criteria

- The idea of the application is well written and clarified.
- The idea is creative and real
- The idea of the application may contribute to mankind
- The designs and descriptions are based on the concepts studied in class.
- Overall the answer to the assignment is well written (Simulations and equations are well used)
- Any information that is directly copied from another source without appropriate attribution is considered plagiarism and should be given 0 points.

5. Follow the steps below

1) Submit your answers for the assignment to the e-learning system during the submission phase
2) Thoroughly read the answers of your peers during the assessment phase
3) Use the grading criteria below (section 6) to evaluate your peers.
4) Compare the answers to the grading criteria
5) Choose the amount of pints that best represent the work of your peer in relationship to the evaluation criteria.
6) Provide feedback (written comments) to your peer in the spaces provided. This will help them to understand your evaluation and to improve their work for future purposes.

6. Marking rubric

Description	**Max Grade**	**Weight**
The idea of the application is well written and clarified.	10	5
The idea is creative and real	10	5
The idea of the application may contribute to mankind	10	5
The designs and descriptions are based on the concepts studied in class	10	5
The design is well presented	10	5
Schematic diagrams are well presented	10	5
Simulation waveforms/results are well-presented and analyzed	10	10
The simulation results are compared to the theoretical results	10	10
TOTAL MARK	**80**	

7. Important Dates

- Submission Phase: 29/10/2018 – 12/11/2018
- Assessment Phase: 12/11/2018 – 16/11/2018
- Grading Evaluation Phase: After the assessment phase