



**PHYSICS**  
**Mechanical Engineering Technology**  
**Engineering Physics II**  
203-944-DW (all sections)  
Winter 2020

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<b>Teacher</b>	<b>Maria Dikeakos</b> 7A.10, local 4009, mdi keakos@dawsoncol l ege. qc. ca <b>Manuel Toharia</b> 7B.21, local 4017, mtohari a@dawsoncol l ege. qc. ca
<b>Pre-requisites</b>	Engineering Physics I (203-943-DW)
<b>Co-requisites</b>	Engineering Mathematics II (201-942-DW)
<b>Ponderation</b>	2-3-2 (2 hours of lecture, 3 hours of labs, and 2 hours of work outside class per week)
<b>Course objectives</b>	This course is intended to introduce the student to the engineering approach to the solution of kinematics and dynamics problems.
<b>Course competencies</b>	This course will allow the student to partially achieve the competency: 012J: Analyze the internal and external forces exerted on a mechanical object <ol style="list-style-type: none"><li>1. Analyze the external forces exerted on a structure or a mechanical object.</li><li>2. Analyze the strength of materials.</li><li>3. Analyze kinematic motion in assemblies and systems.</li><li>4. Analyze forces exerted in a mechanism.</li><li>5. Analyze the energy generated in a mechanism.</li></ol>
<b>Evaluation</b>	The Institutional Student Evaluation Policy (ISEP) is designed to promote equitable and e ective evaluation of student learning and is therefore a crucial policy to read and understand. The policy describes the rights and obligations of students, faculty, departments, programs, and the College administration with

**Literacy  
standards**

It is expected that students will be able to comprehend the course material and express themselves appropriately as a normal part of their academic performance in the course. Marks may be deducted for