



**PHYSICS**  
**Analytical Chemistry**  
**Applied Optics**  
203-924-DW (all sections)  
Winter 2020

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<b>Teacher</b>	<b>Basim Assaf</b> 7A.14, local 4011, physicsone@gmail.com
<b>Pre-requisites</b>	High School Sec IV Science 558-404 or 402, or Physical Science 436 or CEGEP 982-003-50
<b>Co-requisites</b>	None
<b>Ponderation</b>	2-3-3 (2 hours of lecture, 3 hours of labs, and 3 hour of work outside class per week)
<b>Course objectives</b>	This is the first physics course for students in the Analytical Chemistry program. The primary aim of the course is to acquaint students with the basic concepts required to understand the optical properties of the equipment used in Analytical Chemistry.
<b>Course competencies</b>	This course will allow the student to partially achieve the following competency: 01DR: To understand how equipment operates. Elements of competency: <ol style="list-style-type: none"><li>4. To explain the operation of the equipments optical components.</li><li>5. To establish links between the operation of the equipment and the main detectors used.</li></ol>
<b>Evaluation</b>	The Institutional Student Evaluation Policy (ISEP) is designed to promote equitable and effective 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 regard to evaluation in all your courses, including grade reviews and resolution of academic grievance. 7A.14 evaluation (Student) the 7A.14 evaluation (Student) the

**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 inadequate communication skills.

**Laboratory work**

Experimentation is an essential part of science. Students will be expected to perform experiments and report on their results. Your teacher will provide you with instructions for lab experiments and activities (there is no manual to purchase).