



# 2009-2010 COURSE OUTLINE

<b>COURSE NAME:</b>	Science and Technology	<b>LEVEL:</b>	Cycle 1, Year 1
<b>COURSE CODE:</b>	555 – 100	<b>PERIODS PER CYCLE:</b>	6

## Subject Area Competencies:

<b>1.</b>	<b>The student seeks answers or solutions to scientific or technological problems</b>
40%	-The student must use the scientific method or the design method to solve problems. Student expertise is expected to increase with each lab performed.
	-The student must identify, and be able to restate in her own words, the questions asked of her in lab situations.
	-The student must be able to write a clear, concise procedure using scientific vocabulary.
	-The student must be able to carry out the procedure using correct techniques and as well as following all safety rules.
	-The student must be able to form conclusions and inferences from the data collected during the experimental procedure. She should also be able to identify potential sources of error which may have affected the experiment's results.
<i>Activity types in this competency:</i> -all activities related to the scientific method (labs, design projects)	
<b>2.</b>	<b>The student makes the most of her knowledge of science and technology</b>
40%	-The student must be able to analyze and form opinions on scientific issues.
	-The student must be able to analyze a technical object.
	-The student must be able to apply facts and theories to new situations or to answer questions.
<i>Activity types in this competency:</i> - issue analysis (essays, orals, displays, etc.) - content-based tests - essay tests, case studies, etc. -analyses of technological objects	
<b>3.</b>	<b>The student communicates in appropriate language for science and technology</b>
20%	-The student must communicate in all forms (oral and written) using appropriate scientific vocabulary and symbols.
	-The student must create data tables and charts accurately.
<i>Activity types for this competency:</i> -any activity which requires using scientific vocabulary - appropriate use of vocabulary and symbols in student work is required - Science World reflections and journal - essays and orals	