

Course Description and Outline

Course Title: Methodology of Teaching Physics

Course Code: PHY 2203

Course Level: Year 2, Semester 2

Hours: 3 hours per week

Overview

<p>Overall Description of the Course</p>	<p>Teaching methodology involves concepts and topics taught as pre-service teachers prepare for teaching practice.</p>
<p>Overall Learning Outcomes</p>	<p>By the end of this course, students should be able to:</p> <ol style="list-style-type: none"> 1. Explain instruction and instructional strategies 2. Understand and make proper use of instructional objectives 3. Plan adequately for teaching and learning activities 4. Assess teaching and learning program
<p>General Description of Teaching/Learning Methods and Modes of Assessment</p>	<p>Lecture and discussion Group discussion and interpretation of observations Presentations and reports</p> <p>Assessment First CAT 15%, Presentations 15%, Assignment 10% & Examination 60% = Total 100%</p>

Course Content

Topic <i>(also give brief description of topic)</i>	Teaching/Learning Strategies	Learning Outcomes (In terms of knowledge, skills, attitudes, and character)
Study Unit 1 Instruction- Meaning of instruction, instructional objectives Role of teacher and learners in instruction	Lecture Method, Discussion Method and Demonstration	Students should be able to: <ol style="list-style-type: none"> 1. Define learning objectives 2. Identify and explain components of learning objectives 3. Define and explain domains of learning 4. Explain and utilize Bloom’s Taxonomy in planning for instruction
Study Unit 2 Teaching and Learning- Theories of learning, Methods of Teaching and Classroom management	Lecture Method, Discussion Method, Demonstration and Presentations	Students should be able to: <ol style="list-style-type: none"> 1. Discuss the 3 learning theories 2. Identify the methods of teaching 3. Explain each method of teaching with examples 4. State the advantage and disadvantages of each method of teaching 5. Discuss Classroom management
Study Unit 3: Planning for teaching and learning- Syllabus, Scheme of Work, Lesson Plan and Micro Teaching	Lecture Method, Discussion Method, Demonstration Practical Session and Presentations	Students should be to: <ol style="list-style-type: none"> 1. Describe a Syllabus and make proper use of it 2. Define scheme of work 3. Identify guide lines for drawing a good scheme of work 4. Make a scheme of work for their subject area 5. Prepare a lesson plan for a topic of their choice 6. Teach a lesson period during a micro teaching

<p>Study Unit 4: Assessment and Evaluation- Types of Tests, Tests construction, grading and evaluation of test and lesson</p>	<p>Lecture Method, Discussion Method, Demonstration Practical Session and Presentations</p>	<p>Students should be able to discuss and identify the following;</p> <ol style="list-style-type: none">1. Define test2. Identify different tests available for assessment3. Describe qualities of a good test assessment4. Prepare a test for a given lesson5. Evaluate teaching and learning programme.
--	--	---