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| Module Title: | Principles of Biology II – Semester 2 |
| Academic year: | 2008 – 2009 |
| Credit Value: | 5 – Mandatory |
| Pre- requisites: | None |
| Module Content | <ul style="list-style-type: none"> • Introduction to Microbiology • The Microbial Kingdom • Growth • Enumeration • Microscopy • Introduction to Biochemistry • Biomolecules • Enzymes • DNA to Protein |
| Intended Learning Outcomes: (September 2007) | <p>On successful completion of this module the student will be expected to be able to:</p> <ol style="list-style-type: none"> 1. Identify the scope of the microbial world and nature of the different microbial types 2. Grow bacteria on solid media 3. Demonstrate competence in aseptic technique 4. Identify and explain the basic structure and functions of the major groups of biomolecules 5. Describe the nature and importance of enzymes as biological catalysts 6. Evaluate cellular metabolic pathways 7. Identify the basic approaches to biochemical analysis |