

REPUBLIQUE DU CAMEROUN  
Paix – Travail – Patrie

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INSTITUT UNIVERSITAIRE BENGONO  
TOURE GENEVIEVE  
Scientiarum - Excellentiam - Nobel  
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REPUBLIC OF CAMEROON  
Peace-Work-Fatherland

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THE BENGONO TOURE GENEVIEVE  
UNIVERSITY INSTITUTE  
SCIENTIARUM – EXCELLENTIAM – NOBEL  
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**INSTITUT SUPERIEUR DES SCIENCES DE L'INGENIEUR, DES INDUSTRIES ET DE L'INNOVATION**  
**THE HIGHER INSTITUTE OF ENGINEERING SCIENCES, INDUSTRIES AND INNOVATION**

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**ADVANCED DIPLOMA IN MED. LAB. SCIENCES**

| CODES    | COURSE NAMES   | CREDIT |
|----------|--|--------|
|          | <b>YEAR ONE</b>  |        |
| DMLS1110 | Anatomy and Physiology                                 | 3      |
| DMLS1111 | Physics  | 3      |
| DMLS1112 | General Chemistry                                      | 3      |
| DMLS1113 | Inorganic Chemistry                                    | 3      |
| DMLS1114 | Organic Chemistry                                      | 3      |
| DMLS1115 | Analytical Chemistry                                   | 3      |
| DMLS1116 | Biological Chemistry                                   | 3      |
| DMLS1117 | Biology  | 3      |
| DMLS1118 | Mathematics  | 3      |
| DMLS1119 | Psycho-sociology                                       | 3      |
| DMLS1120 | ICT  | 3      |
| DMLS1121 | Bioethics  | 3      |
| DMLS1122 | Information and Communication Technology               | 3      |
| DMLS1123 | General Microbiology and Infectious Disease            | 3      |
| DMLS1124 | Microbiology, parasitology and laboratory practice     | 3      |
| DMLS1125 | Medical Pathology                                      | 3      |
| DMLS1126 | Primary Health Care                                    | 3      |
| DMLS1127 | General Hygiene  | 3      |
| DMLS1128 | Anatomy and Physiology                                 | 3      |
|          |  | 60     |
|          | <b>YEAR TWO</b>  |        |
| DMLS2110 | Research methods                                       | 2      |
| DMLS2111 | Communication skills                                   | 2      |
| DMLS2112 | Applied Clinical Bacteriology and Virology             | 2      |
| DMLS2112 | Clinical preceptorship in Immunology and Blood Banking | 2      |
| DMLS2113 | Integrated clinical Laboratory Cases                   | 2      |
| DMLS2114 | Advanced Medical Laboratory Techniques                 | 3      |

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| DMLS2115 | Clinical Biochemistry                                 | 3  |
| DMLS2116 | Histology and Cytology                                | 3  |
| DMLS2117 | Clinical Bacteriology and Virology                    | 3  |
| DMLS2118 | Computer Applications                                 | 3  |
| DMLS2119 | Immunochemistry I (Hematology and Coagulation)        | 3  |
| DMLS2120 | Medical Parasitology and Mycology                     | 3  |
| DMLS2121 | Laboratory Management and Quality Assurance           | 3  |
| DMLS2122 | Introduction to Medical Laboratory Sciences           | 3  |
| DMLS2123 | Clinical Specimen Collection, Processing and Handling | 3  |
| DMLS2124 | Medical Sociology and Anthropology                    | 3  |
| DMLS2125 | Special Topics in Medical Laboratory Science          | 2  |
| DMLS2126 | Clinical Immunology                                   | 3  |
| DMLS2127 | Clinical Fluid Analysis                               | 3  |
| DMLS2128 | Special Microbiology                                  | 3  |
| DMLS2129 | Clinical Microbiology                                 | 3  |
| DMLS2130 | Internship  | 3  |
|          |   | 60 |
|          | <b>YEAR THREE</b>                                     |    |
| DMLS3110 | Advanced Clinical Microbiology                        | 3  |
| DMLS3112 | Principles of Immunochemistry                         | 3  |
| DMLS3113 | Advanced Immunochemistry                              | 3  |
| DMLS3114 | Clinical Chemistry                                    | 3  |
| DMLS3115 | Diagnostic Molecular Biology                          | 3  |
| DMLS3116 | Advanced Clinical Chemistry                           | 3  |
| DMLS3117 | Advanced Hematology                                   | 3  |
| DMLS3118 | Hematology  | 3  |
| DMLS3119 | Laboratory Operations                                 | 3  |
| DMLS3120 | Hemostasis  | 3  |
| DMLS3121 | Advanced Lab Concepts                                 | 3  |
| DMLS3122 | Advanced Clinical Practice                            | 3  |
| DMLS3123 | Medical Laboratory Science Capstone                   | 3  |
| DMLS3124 | Advanced Clinical Correlations                        | 3  |
| DMLS3125 | Internship  | 8  |
| DMLS3126 | Dissertation  | 10 |
|          |   | 60 |
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