

Course Description

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| Course number: CLS 212 | Course title: Medical Microbiology | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Level/semester: Non-CLS Students (Health Education, Dental Education, Nursing)/ Level 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Credit hours: 4 | Thereof lecture hours: 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Thereof practical hours: 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Language: English | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aims and goals/ skills of the course: | <ul style="list-style-type: none"> To present the fundamentals of microbiology which include structures, morphology and classification of bacteria, viruses, fungi and parasites. To introduce the pathogenesis of the various infectious agents. To cover some topics related to community health, including the modes and sources of infections as well as prevention of these infections. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Content of the course: | <table border="1"> <tr><td>1</td><td>Introduction to Microbiology: Definitions, Cell structure, and Taxonomy</td></tr> <tr><td>2</td><td>Viruses</td></tr> <tr><td>3</td><td>Fungus</td></tr> <tr><td>4</td><td>Parasites</td></tr> <tr><td>5</td><td>Bacteria</td></tr> <tr><td>6</td><td>Microbial Growth Normal Flora</td></tr> <tr><td>7</td><td>Inhibiting Microbial Growth in vitro</td></tr> <tr><td>8</td><td>Inhibiting Microbial Growth in vivo (Antimicrobial agents)</td></tr> <tr><td>9</td><td>Pathogenicity of Infectious Diseases</td></tr> <tr><td>10</td><td>Introduction to Immunology</td></tr> <tr><td>11</td><td>Nosocomial Infections</td></tr> <tr><td>12</td><td>Respiratory Tract Infections</td></tr> <tr><td>13</td><td>Food and Water born Infections</td></tr> <tr><td>14</td><td>Wound and Skin Infections Sexually Transmitted Infections</td></tr> </table> | 1 | Introduction to Microbiology: Definitions, Cell structure, and Taxonomy | 2 | Viruses | 3 | Fungus | 4 | Parasites | 5 | Bacteria | 6 | Microbial Growth Normal Flora | 7 | Inhibiting Microbial Growth in vitro | 8 | Inhibiting Microbial Growth in vivo (Antimicrobial agents) | 9 | Pathogenicity of Infectious Diseases | 10 | Introduction to Immunology | 11 | Nosocomial Infections | 12 | Respiratory Tract Infections | 13 | Food and Water born Infections | 14 | Wound and Skin Infections Sexually Transmitted Infections |
| 1 | Introduction to Microbiology: Definitions, Cell structure, and Taxonomy | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Viruses | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Fungus | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Parasites | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Bacteria | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Microbial Growth Normal Flora | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Inhibiting Microbial Growth in vitro | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Inhibiting Microbial Growth in vivo (Antimicrobial agents) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Pathogenicity of Infectious Diseases | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Introduction to Immunology | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Nosocomial Infections | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Respiratory Tract Infections | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Food and Water born Infections | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Wound and Skin Infections Sexually Transmitted Infections | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Examination: | First midterm (12%), Second midterm examination (12%), Ptt presentation (6%), Practical Quizzes (10%) Final Practical (20%) Final examination (40%) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |