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| <b>Course Title</b>  | General Microbiology 2   |                      |                     |
| <b>Semester</b>      | 2-2  | <b>Course Type</b>   | Basic               |
| <b>Course Number</b> | 22666-00   | <b>No. of Credit</b> | 3/3/0               |
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| <b>Objective</b>     | <p>This lecture is to learn the general structure and function of microorganisms (mainly prokaryotic microorganisms) to understand microbial physiology, growth, and genetics.</p>   |                      |                     |
| <b>Syllabus</b>      | <ol style="list-style-type: none"> <li>1. Genetics of Bacteria and Archaea I</li> <li>2. Genetics of Bacteria and Archaea II</li> <li>3. Genetic Engineering I</li> <li>4. Genetic Engineering II</li> <li>5. Microbial Genomics I</li> <li>6. Microbial Genomics II</li> <li>7. Commercial Products and Biotechnology</li> <li>8. Methods in Microbial Ecology I</li> <li>9. Methods in Microbial Ecology II</li> <li>10. Microbial Ecosystems</li> <li>11. Nutrient Cycle</li> <li>12. Microbiology in the Built Environment</li> <li>13. Microbial Symbioses</li> </ol> |                      |                     |