

102-2 Preliminary Syllabus, Da-Yeh Univ

| Information | | | |
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| Title | 微生物學實驗 | Serial No. / ID | 0507 / BT11091 |
| Dept. | 生物產業科技學系 | School System / Class | 大學日間部1年2班 |
| Lecturer | 陳建志 | Full or Part-time | 兼任 |
| Required / Credit | Required / 1 | Graduate Class | No |
| Time / Place | (一)789 / H623 | Language | Chinese |

| Introduction |
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| Teaching the basic technique and application of general microbiology. Students are expected to become familiar with (1) observation of microorganisms by microscopy, (2) preparation of media and culturing, (3) the utilization of stains to observe microbial structures and other tests for microbial identification, and (4) Analysis of biochemical activity of Microorganisms. |

| Outline |
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| An introduction to experimental techniques in microbiology. The exercises include cultivation and various staining techniques, isolation, identification and biochemical activities. Three hours of laboratory per week. A brief lecture will be given prior to each experiment. A team of five students are expected to construct or set up their own experiment. Materials are usually prepared by a laboratory assistant. Students are expected to learn a lot of laboratory techniques. The result of each experiment should be recorded and discussed. |

| Prerequisite |
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| NO |