

# 101-1 Preliminary Syllabus, Da-Yeh Univ

| Information       |                          |                       |                |
|-------------------|--------------------------|-----------------------|----------------|
| Title             | 微積分(一)E3                 | Serial No. / ID       | 0050 / CDC1903 |
| Dept.             | 共同教學中心                   | School System / Class | 大學日間部4年2班      |
| Lecturer          | 許介彥                      | Full or Part-time     | 專任             |
| Required / Credit | Required / 3             | Graduate Class        | NO             |
| Time / Place      | (一)34 / H202 (三)3 / H202 | Language              | Chinese        |

| Introduction  |
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| 1. Establish the fundamental notion used in calculus.<br>2. Apply calculus to solve the problems in practice. |

| Outline  |
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| 1. Limits<br>2. Derivatives<br>3. Applications of Differentiation<br>4. Integrals<br>5. Applications of Integration<br>6. Inverse Functions and Transcendental Functions |

| Prerequisite                     |
|----------------------------------|
| Elementary Geometry and Algebra. |