

## 97-2 Preliminary Syllabus, Da-Yeh Univ

| Information       |                          |                       |                |
|-------------------|--------------------------|-----------------------|----------------|
| Title             | 六標準差                     | Serial No. / ID       | 0784 / IEI3098 |
| Dept.             | 工業工程與科技管理學系              | School System / Class | 大學日間部3年1班      |
| Lecturer          | 余豐榮                      | Full or Part-time     | 專任             |
| Required / Credit | Optinal / 3              | Graduate Class        | NO             |
| Time / Place      | (一)34 / H540 (四)2 / H540 | Language              | Chinese        |

| Introduction  |
|---|
| <p>This course begins with a discussion about the development of quality methods and then introduces the theory and implementation of Six Sigma. The necessary skills to excute Six Sigma techniques and strategies at the Green Belt and Black Belt levels will be provided in the course. Attention is given to when to use the right tools for the right problems.</p> |

| Outline   |
|---|
| <ol style="list-style-type: none"> <li>1. Total quality overview.</li> <li>2. Six Sigma overview.</li> <li>3. Statistics process control</li> <li>4. Process and performance analysis</li> <li>5. Quality control tools</li> <li>6. Measurement system analysis</li> <li>7. Six sigma measurement</li> <li>8. Six sigma strategy</li> <li>9. DMAIC</li> <li>10. Six sigma culture</li> <li>11. DMADV</li> <li>12. Lean six sigma</li> </ol> |

| Prerequisite  |
|---|
| Some basic idea of engineering statistics and quality control |