

102-1 Preliminary Syllabus, Da-Yeh Univ

| Information | | | |
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| Title | 自動控制 | Serial No. / ID | 2122 / MAB3003 |
| Dept. | 機械與自動化工程學系 | School System / Class | 進修學士班3年1班 |
| Lecturer | 羅正忠 | Full or Part-time | 專任 |
| Required / Credit | Required / 3 | Graduate Class | No |
| Time / Place | (二)AB / H439 (三)B / H439 | Language | Chinese |

| Introduction |
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| Provide an understanding of the principle of automatic control such as the follows: 1 Basic concept of the system dynamics, 2 Basic concept of the system integration. 3 Basic concept of the stability analysis. 4 Basic control of the controller design. |

| Outline |
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| Automatic control is a fundamental course dealing with analysis and design technologies in control system. This course will cover the principle of dynamic models, block diagram of the control system, time responses of the control system, steady state error in the control system, stability analysis for the control system, design method for the controller. Lecture materials will provide students a clear and thorough understanding of the above feature. The adequate ability to understanding the theorem of the control system and practical application will be introduced. |

| Prerequisite |
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| Calculus, Engineering Mathematics, kinematics, electric circuit |