**COURSE SYLLABUS**

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| **Course Title**： Semiconductor Testing | | | | |
| **Credits / Hours** | 3/3 | **Course Number** | 157429 | **□Required ■Elective** |
| **Course Description**  The scope of semiconductor testing is quite broad. For example, it includes IC testing, packaging testing, functional testing, failure analysis, material analysis, reliability analysis, etc. These tests are needed in the fabrication of semiconductor components and thus are very important to the semiconductor industry. This course will teach knowledge related to semiconductor testing. This knowledge is very useful to students when they work in semiconductor industry in the future. | | | | |
| **Course Topics** | | | | |
| **Topic** | | **Content** | | |
| Introduction | | 1. Introduction of semiconduction industry | | |
| IC test | | Introduction of various IC tests | | |
| Failure analysis | | Introduction of various technologies for failure analysis | | |