**Master of Science Program in Polymer Science (2015)**

**Name of Degree:** Master of Science (Polymer Science)

**Abbreviation:** M.Sc. (Polymer Science)

**Admission Requirements**

Plan A Type A 1:

 Hold a bachelor's degree in chemistry or related fields with a GPA of at least 3.25 or hold a bachelor's degree in science or related fields with a GPA of at least 3.50

Plan A Type A 2:

Hold a bachelor's degree in chemistry or related fields with a GPA of at least 2.50

**Curriculum**

**Total Credits**

 Plan A Type A 1 36 Credits

Plan A Type A 2 36 Credits

**Curriculum Structure** **Type A 1** **Type A 2**

Required Courses (\*) 2 (Non credit) 12 Credits

Elective Courses (\*\*) - 9 Credits

Thesis 36 15 Credits

Total 36 36 Credits

|  |  |
| --- | --- |
| **First Year, 1st Semester** | **Number of Credit** |
| **Course Number** | **Course Title** | **Plan A Type A 1** | **Plan A Type A 2** |
| 312 751\* | Structures and Properties of Polymers | - | 3 |
| 312 752\* | Principles of Polymerization | - | 3 |
| 312 753\* | Polymer Characterizations | - | 3 |
| 312 891\* | Seminar I | 1 (Non Credit) | - |
| 312 898 | Thesis | 9 | - |
| **Total credits** | **9** | **9** |
| **Cumulative credits** | **9** | **9** |

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| **First Year, 2nd Semester** | **Number of Credit** |
| **Course Number** | **Course Title** | **Plan A Type A 1** | **Plan A Type A 2** |
| 312 891\* | Seminar I | - | 1 |
| 312 892\* | Seminar II | 1 (Non Credit) | - |
| 312 754\* | Polymer Laboratory | - | 1 |
| 312 854\*\* | Stability and Degradation of Polymers  |  | 2 |
| 312 855\*\* | Rheology of Polymers |  | 2 |
| 312 857\*\* | Advanced Polymer Synthesis |  | 2 |
| 312 951\*\* | Rubber Technology | - | 3 |
| 312 898 | Thesis | 9 | - |
| **Total credits** | **9** | **11** |
| **Cumulative credits** | **18** | **20** |

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| **Second Year, 1st Semester** | **Number of Credit** |
| **Course Number** | **Course Title** | **Plan A Type A 1** | **Plan A Type A 2** |
| 312 892\* | Seminar II | - | 1 |
| 312 898 | Thesis | 9 | - |
| 331 899 | Thesis | - | 8 |
| **Total credits** | **9** | **9** |
| **Cumulative credits** | **27** | **29** |

|  |  |
| --- | --- |
| **Second Year, 2nd Semester** | **Number of Credit** |
| **Course Number** | **Course Title** | **Plan A Type A 1** | **Plan A Type A 2** |
| 312 898 | Thesis | 9 | - |
| 331 899 | Thesis | - | 7 |
| **Total credits** | **9** | **7** |
| **Cumulative credits** | **36** | **36** |

**Program Committee**

1. Asst. Prof. Dr. Choosak Poonsawat

2. Asst. Prof. Dr. Chaewat Ruksakulpiwat

3. Asst. Prof. Dr. Paveena Khansawai

4. Assoc. Prof. Dr. Sittipong Amnuaypanich

5. Asst. Prof. Dr. Surangkhana Martwiset