



CURRICULUM OF MASTER IN CONSTRUCTION MANAGEMENT

The Master in Construction Management (MCM) program offers various major or specializations. The major is based on the major subjects and research with final thesis. The following is the distribution of the course requirements:

| CEP activities | 2019 | | | | 2020 | | | | 2021 | | | |
|-------------------|------|----|----|------------------------------------|------------------------------------|----|----|------------------------------------|------------------------------------|----|----|----|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| Bridging semester | | | | [Blue bar from Q4 2019 to Q2 2020] | | | | | | | | |
| First semester | | | | | [Blue bar from Q1 2020 to Q3 2020] | | | | | | | |
| Second semester | | | | | | | | [Blue bar from Q3 2020 to Q2 2021] | | | | |
| Third semester | | | | | | | | | [Blue bar from Q1 2021 to Q3 2021] | | | |

- 1: Internship to Myanmar - 15 days (May 2020 - May 2021)
- 2: Internship to Japan (July - Aug/2020) - (July - Aug/2021)
- 3: Students mobility to JFE (Aug 2020 - Aug 2021)

- Bridging Semester : 13 credits (not including 9 supplement credits)
- First Semester : 18 credits
- Second Semester : 15 credits
- Third Semester : 6 credits
- Total : 52 credits (not including 9 supplement credits)



| No. | Master in Construction Management – CEP | Lecturer | Credit | Semester |
|----------|---|----------|-----------|--------------------------------|
| A | Compulsory Subject (9 credits) | | 9 | |
| 1 | Innovation and Entrepreneurship | | 3 | Bridging Semester (Pre-Master) |
| 2 | Leadership Management | | 3 | Bridging Semester (Pre-Master) |
| 3 | Advanced Philosophy | | 3 | Bridging Semester (Pre-Master) |
| A | English (4 credits) | | 4 | |
| 4 | English 1 | | 2 | Bridging Semester (Pre-Master) |
| 5 | English 2 | | 2 | Bridging Semester (Pre-Master) |
| B | Supplement Subject (9 credits) | | 9 | |
| 1 | Construction Technology and Management | YNU | 3 | Bridging Semester (Pre-Master) |
| 2 | Construction Economics | HCMUT | 3 | Bridging Semester (Pre-Master) |
| 3 | Construction Project Management | HCMUT | 3 | Bridging Semester (Pre-Master) |
| C | Compulsory Subject (18 credits) | | 18 | |
| 1 | Advanced Project Management | HCMUT | 3 | 1st Semester, 2nd Semester |
| 2 | Project Risk Management | HCMUT | 3 | 1st Semester, 2nd Semester |
| 3 | Resource Planning and Management | HCMUT | 3 | 1st Semester, 2nd Semester |
| 4 | Artificial intelligent in construction management | HCMUT | 3 | 2nd Semester, 3rd Semester |
| 5 | Applied Statistics in Construction Management | HCMUT | 3 | 1st Semester, 2nd Semester |
| 6 | Construction business management | HCMUT | 3 | 1st Semester, 2nd Semester |
| D | Optional Subject (15 credits) | | 15 | |
| 1 | Engineering Investment and Decision Making | HCMUT | 3 | 2nd Semester, 3rd Semester |



| No. | Master in Construction Management – CEP | Lecturer | Credit | Semester |
|----------|--|----------|-----------|----------------------------|
| 2 | Construction Management | YNU | 3 | 2nd Semester, 3rd Semester |
| 3 | Advance Topics in Engineering | YNU | 3 | 2nd Semester, 3rd Semester |
| 4 | Legal Issues in Construction | HCMUT | 3 | 1st Semester, 2nd Semester |
| 5 | Construction productivity analysis and management | HCMUT | 3 | 2nd Semester, 3rd Semester |
| 6 | Construction Management with Building Information Modeling (BIM) | HCMUT | 3 | 2nd Semester, 3rd Semester |
| 7 | Construction Cost Accounting | YTU | 3 | 2nd Semester, 3rd Semester |
| 8 | Seminar in Construction Management (Oversea) | HCMUT | 3 | 2nd Semester, 3rd Semester |
| 9 | Internship (Local Enterprise) | HCMUT | 3 | 2nd Semester, 3rd Semester |
| 10 | Advanced technology and engineering construction | YNU | 3 | 2nd Semester, 3rd Semester |
| 11 | Quantitative Method in Construction Management | YTU | 3 | 2nd Semester, 3rd Semester |
| 12 | Research Methodology in Construction | HCMUT | 3 | 2nd Semester, 3rd Semester |
| E | Thesis (10 credits) - Co-supervised by oversea Professors | | 6 | |
| 1 | Thesis | | 6 | |
| | Summary | | 52 | |