



**Masters of Science in Surveying Engineering (MSURV)**

**First Year**

**Fall Semester**

| Code    | Title                             | Credits | Prerequisites | Corequisites |
|---------|-----------------------------------|---------|---------------|--------------|
| SURV500 | Geographic Information Systems II | 3       |               |              |
| SURV510 | Remote Sensing                    | 3       |               |              |
| SURV530 | GPS II                            | 3       |               |              |
| SURV520 | Underground & Marine Survey       | 3       |               |              |
| Total   |                                   | 12      |               |              |

**Spring Semester**

| Code     | Title                               | Credits | Prerequisites | Corequisites |
|----------|-------------------------------------|---------|---------------|--------------|
| SURV560  | Advanced Digital Photogrammetry     | 3       | SURV510       | SURV560L     |
| SURV560L | Advanced Digital Photogrammetry Lab | 1       |               | SURV560      |
| SURV590  | Map Projection                      | 3       | SURV530       |              |
| SURV580  | Geomatics for Civil Works           | 3       |               |              |
| SURV550  | Image Processing                    | 3       | SURV510       |              |
| Total    |                                     | 13      |               |              |

**Second Year**

**Fall Semester**

| Code     | Title                                       | Credits | Prerequisites  | Corequisites |
|----------|---|---------|--|--------------|
| SURV640  | Geotechnical Engineering                    | 3       | SURV580  |              |
| SURV695A | Master Thesis(Part I)                       | 3       | SURV560 - SURV520 -<br>SURV590 - SURV580 -<br>SURV510 - SURV500 -<br>SURV530 - SURV550 |              |
| SURV630  | Drainage and Irrigation                     | 3       | SURV560  |              |
| SURV620  | Engineering Transportation and Roads Design | 3       | SURV580  |              |
| SURV615  | Surveying application II                    | 3       |  |              |
| Total    |   | 15      |  |              |

**Spring Semester**

| Code     | Title   | Credits | Prerequisites     | Corequisites |
|----------|---|---------|-------------------|--------------|
| SURV670  | Technology Of Construction                                | 3       | SURV580 - SURV620 |              |
| SURV695B | Master Thesis(Part II)                                    | 3       | SURV695A          |              |
| SURV680  | Environmental Impact Assessment for Surveying Engineering | 3       | SURV640           |              |
|          | Elective  | 3       |                   |              |
| Total    |   | 12      |                   |              |

**Major Elective Courses**

| Code                                | Title | Credits | Prerequisites | Corequisites |
|-------------------------------------|-------|---------|---------------|--------------|
| There are no Major Elective Courses |       |         |               |              |