



# Study Plan

## M.Sc. Aerospace Engineering

Faculty of Power and Aeronautical Engineering

*Study plan for reference only; may be subject to change.*

Lc – Lecture    T – Tutorial    Lb – Laboratory    P – Project    S – Seminar

### Semester 1

List of field of study courses:

| No. | Course number          | Course name                           | Lc | T | Lb | P | S | ECTS points |
|-----|------------------------|---------------------------------------|----|---|----|---|---|-------------|
| 1.  | <a href="#">ANK323</a> | Advanced Computational Fluid Dynamics | 2  | 0 | 1  | 0 | 0 | 3           |
| 2.  | <a href="#">ANS646</a> | Aircraft systems laboratory           | 0  | 0 | 3  | 0 | 0 | 3           |
| 3.  | <a href="#">ANS520</a> | Composite Materials in Aerospace      | 2  | 0 | 0  | 0 | 0 | 3           |
| 4.  | <a href="#">ANK389</a> | Control in Aerospace                  | 2  | 0 | 0  | 0 | 0 | 3           |
| 5.  | <a href="#">ANK312</a> | Dynamics of Flight                    | 2  | 0 | 0  | 0 | 0 | 3           |
| 6.  | <a href="#">ANK425</a> | Heat Transfer in Aerospace            | 3  | 0 | 0  | 0 | 0 | 4           |
| 7.  | <a href="#">ANS642</a> | Mechanics of Thin-Walled Structures   | 1  | 1 | 1  | 0 | 0 | 3           |
| 8.  | <a href="#">ANK481</a> | Partial differential equations        | 2  | 1 | 0  | 0 | 0 | 5           |
| 9.  | <a href="#">ANK321</a> | Physics of the Atmosphere             | 1  | 0 | 0  | 0 | 0 | 1           |
| 10. | <a href="#">ANK398</a> | Space Technologies                    | 2  | 0 | 0  | 0 | 0 | 2           |

## Semester 2

List of field of study courses:

| No. | Course number          | Course name                             | Lc | T | Lb | P | S | ECTS points |
|-----|------------------------|---|----|---|----|---|---|-------------|
| 1.  | <a href="#">ANS600</a> | Advanced Aero Engines Laboratory        | 0  | 0 | 2  | 0 | 0 | 2           |
| 2.  | <a href="#">ANK496</a> | Aircraft maintenance management         | 0  | 1 | 0  | 0 | 0 | 2           |
| 3.  | <a href="#">ANS647</a> | Attitude and navigation systems         | 1  | 1 | 0  | 1 | 0 | 4           |
| 4.  | <a href="#">ANS652</a> | Fatigue and aircraft diagnostic systems | 2  | 0 | 1  | 0 | 0 | 4           |
| 5.  | <a href="#">ANK491</a> | Intermediate Masters project            | 0  | 0 | 0  | 6 | 0 | 6           |
| 6.  | <a href="#">ANK480</a> | Physics 2                               | 2  | 0 | 0  | 0 | 0 | 2           |
| 7.  | <a href="#">ANS511</a> | Sensors and measurements systems        | 1  | 1 | 0  | 0 | 0 | 3           |
| 8.  | <a href="#">ANK495</a> | Signals and identification methods      | 1  | 1 | 0  | 0 | 0 | 3           |
| 9.  | <a href="#">ANS650</a> | Structural analysis of aero engines     | 2  | 0 | 0  | 0 | 0 | 4           |

## Semester 3

List of common courses:

| No. | Course number          | Course name            | Lc | T | Lb | P  | S | ECTS points |
|-----|------------------------|------------------------|----|---|----|----|---|-------------|
| 1.  | <a href="#">ANW138</a> | Master Diploma Seminar | 0  | 0 | 0  | 0  | 2 | 2           |
| 2.  | <a href="#">ANW137</a> | Master Diploma Thesis  | 0  | 0 | 0  | 15 | 0 | 20          |

List of field of study courses:

| No. | Course number          | Course name                     | Lc | T | Lb | P | S | ECTS points |
|-----|------------------------|---------------------------------|----|---|----|---|---|-------------|
| 1.  | <a href="#">ANK306</a> | Optimization in Aircraft Design | 2  | 0 | 1  | 0 | 0 | 3           |