| | FLYING THEORY | (BAS | IC PLANE INFORMATION | | | | | |
|------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--|--|--|--|--|
| 1 | Course Title: | FLYING | THEORY(BASIC PLANE INFORMATION | | | | | |
| 2 | Course Code: | SHUZ106 | | | | | | |
| 3 | Type of Course: | Compulsory | | | | | | |
| 4 | Level of Course: | Short Cy | cle | | | | | |
| 5 | Year of Study: | 1 | | | | | | |
| 6 | Semester: | 2 | | | | | | |
| 7 | ECTS Credits Allocated: | 3.00 | | | | | | |
| 8 | Theoretical (hour/week): | 2.00 | | | | | | |
| 9 | Practice (hour/week): | 0.00 | | | | | | |
| 10 | Laboratory (hour/week): | 0 | | | | | | |
| 11 | Prerequisites: | | | | | | | |
| 12 | Language: | Turkish | | | | | | |
| 13 | Mode of Delivery: | Face to face | | | | | | |
| 14 | Course Coordinator: | Öğr. Gör. AHMET Y. ÖZTÜRK | | | | | | |
| 15 | Course Lecturers: | Meslek Yüksek Okulları Yönetim Kurullarının görevlendirdiği öğretim elemanları | | | | | | |
| 16 | Contact information of the Course Coordinator: | silaavgan@uludag.edu.tr | | | | | | |
| 17 | Website: | | | | | | | |
| 18 | Objective of the Course: | Providing the basic information about flight and aircraft. | | | | | | |
| 19 | Contribution of the Course to Professional Development: | In this course, students learn about flight-related systems, aircraft and other flying vehicles. | | | | | | |
| 20 | Learning Outcomes: | | | | | | | |
| | | 1 | To be able to comprehend basic information about aircraft structures at introductory level; | | | | | |
| | | 2 | To be able to express the theory of flying; | | | | | |
| | | 3 | To be able to define aircraft elements; | | | | | |
| | | 4 | To be able to comprehend basic information about atmospheric physics at introductory level; | | | | | |
| | | 5 | To understand the basic information about communication systems; | | | | | |
| | | 6 | | | | | | |
| | | 7 | | | | | | |
| | | 8 | | | | | | |
| | | 9 | | | | | | |
| | | 10 | | | | | | |
| 21 | Course Content: | | | | | | | |
| | | Co | urse Content: | | | | | |
| Week | Theoretical | | Practice | | | | | |
| 1 | History of Aviation , development of a in Turkey and in the World | aviation | | | | | | |
| 2 | the theory of flight; Classification of c that can fly | objects | | | | | | |
| 3 | Basic concepts, motion, relative moti standard atmosphere | ion, | | | | | | |

| 4 | The prin aerostat | ciples ic loac | of flyir Is) | ng (lift | , drag, | mome | ent an | d | | | | | | | | | | | |
|----------------------------|---------------------------------------------------------------------|-----------------------------------------------------|-------------------|------------------|---------------------|-------------|------------------------------------------|-------------|-------------|-------------------------|------|-------|----------------------------|-----------------|---------|-------|--|--|--|
| 5 | Old and element | Old and new aircraft types; Basic aircraft elements | | | | | | | | | | | | | | | | | |
| 6 | Wing, th features | Ning, the main flight control surfaces and eatures | | | | | | | | | | | | | | | | | |
| 7 | Power s piston e | ystem ngine, | s in aiı prope | rcraft a ller | and he | licopte | ers, | | | | | | | | | | | | |
| 8 | Turbopr engines | op, tur | bojet, | Turbo | shaft, ⁻ | Turbo | fan | | | | | | | | | | | | |
| 9 | Airframe | e Syste | ems | | | | | | | | | | | | | | | | |
| 10 | Airframe | e Syste | ems | | | | | | | | | | | | | | | | |
| 11 | Aircraft | Landin | ig Syst | tems | | | | | | | | | | | | | | | |
| 12 | Aircraft | Tail Ki | t | | | | | | | | | | | | | | | | |
| 13 | Aircraft | Naviga | ation S | ystem | is Indic | ators | | | | | | | | | | | | | |
| 14 | Aircraft | Comm | unicat | ion Sy | /stems | Indica | ators | | | | | | | | | | | | |
| 22 | Textboo Material | es an | d/or O | ther | | Air Ka | Airplanes and Helicopters, Kava SAHİN | | | | | | | | | | | | |
| 23 | Assesm | Assesment | | | | | | | | | | | | | | | | | |
| TERM L | EARNIN | G ACTI | VITIES | 5 | | N | IUMBE | E WE | WEIGHT | | | | | | | | | | |
| Midtern | n Exam | | | | | 1 | | 40 | 40.00 | | | | | | | | | | |
| Quiz | | | | | | 0 | | 0,0 | 00 | | | | | | | | | | |
| Activites | | | | | | | | | Numb | er | | Dura | Duration (hour) Total Work | | | | | | |
| Theoretical 2 | | | | | | | | | p400 | | | 2.00 | 2.00 | | | 28.00 | | | |
| Practicals/Labs | | | | | | | | | 0 | | | 0.00 | 0.00 | | | 0.00 | | | |
| Self study and preperation | | | | | | | | | 12 | | | 4.00 | | | 48.00 | | | | |
| Homew | Contribution of Final Exam to Success Crode | | | | | | | | | | | 15.00 | 15.00 | | | | | | |
| Total Project | orai roiects | | | | | | | | | 100.00 | | | | | 0.00 | | | | |
| Field S | tudies | | | | | | | (| 0 | | | | 0.00 | | | 0.00 | | | |
| Midtern | Midterm exams | | | | | | | | | Undergraduate Education | | | | , ony 7 de 1 | 2.00 | | | | |
| Others | Others | | | | | | | | | | 0 | | | | 0.00 | | | | |
| Final E | xams | | | | | | · | 1 | | | | | 2.00 | | | | | | |
| Total W | Fotal Work Load | | | | | | | | | | | 95.00 | | | | | | | |
| Total w | Total work load/ 30 hr | | | | | | | | | | | 3.17 | | | | | | | |
| ECTS (| Credit of | | | | | | 3.00 | | | | | | | | | | | | |
| 25 | 25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS | | | | | | | | | | | | | | | | | | |
| | PQ1 | PQ2 | PQ3 | PQ4 | PQ5 | PQ6 | PQ7 | PQ8 | PQ9 | PQ1 | PQ11 | PQ12 | PQ1 | PQ14 | PQ15 | PQ16 | | | |
| | | | | | | | | - | E | 5 | 0 | 0 | 0 | | | | | | |
| ÖK1 | 5 | 1 | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 5 | 0 | Ŭ | ľ | 0 | 0 | 0 | | | |
| ÖK1 ÖK2 | 5 | 1 | 5 5 | 5 5 | 1 1 | 5 5 | 5 5 | 5 5 | 5 5 | 5 5 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| ÖK1 ÖK2 ÖK3 | 5 3 3 | 1 1 1 | 5 5 3 | 5 5 4 | 1 1 1 | 5 5 5 | 5 5 5 | 5 5 5 | 5 5 5 | 5 5 5 | 0 | 0 | 0 | 0 0 0 | 0 | 0 | | | |
| ÖK1 ÖK2 ÖK3 | 3 | 1 1 1 1 1 | 5 5 3 | 5 5 4 | 1 1 1 1 | 5 5 5 | 5 5 5 | 5 5 5 | 5 5 5 | 5 5 5 | 0 | 0 | 0 | 0 | 0 0 0 0 | 0 | | | |

| ÖK5 | 5 | 3 | 5 | 5 | 1 | 5 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
|----------------------------------------------------|-----|------|----|---|-------|---|---|------|----|---|-------|---|---|-------|--------|---|
| LO: Learning Objectives PQ: Program Qualifications | | | | | | | | | | | | | | | | |
| Contrib ution Level: | 1 \ | /ery | ow | | 2 Iow | | 3 | Medi | um | | 4 Hig | h | | 5 Ver | y High | |