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| CURSO: Sistemas Aeroespaciales Autónomos | | |
| MASTER: Máster Universitario en Ingeniería Aeronáutica | AÑO: 2º | PERIODO: 1º |

| PLANIFICACIÓN SEMANAL | | | | | | | | | |
|-----------------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------|--------------------------------------------------------------------|----------------------------------------|----------------------------------------------------------------------------------|----------------|-------------------------------------------|
| SEMANA | SESIÓN | DESCRIPCIÓN | GRUPOS (mark X) | | AULA ESPECIAL PARA LA SESIÓN (Clase de Informática, audiovisuales) | Indique SI/NO si necesita 2 profesores | Programa semanal para el estudiante | | |
| | | | TEORÍA | PRÁCTICAS | | | DESCRIPCIÓN | HORAS DE CLASE | HORAS TRABAJO EN CASA (Max. 7h semanales) |
| 1 | 1 | Block I: Introduction to the Course + Technology I (Legislation, Socio-economical Aspects, Applications, Industry, Types of vehicles Design particularities) | X | | | YES | Reading corresponding notes chapters. Study and personal work about the lecture. | 1,6 | 2 |
| 2 | 2 | Block I: Technology II (Legislation, Socio-economical Aspects, Applications, Industry, Types of vehicles Design particularities) | X | | | NO | Reading corresponding notes chapters. Study and personal work about the lecture. | 1,6 | 2 |
| 3 | 3 | Block I: Technology III (Legislation, Socio-economical Aspects, Applications, Industry, Types of vehicles, Design particularities) | X | | | NO | Reading corresponding notes chapters Study and personal work about the lecture | 1,6 | 2 |

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| 4 | 4 | Block II: Quadcopter dynamics I | X | | | NO | Reading corresponding notes chapters. Study and personal work about the lecture. | 1,6 | 3 |
| 5 | 5 | Block II: Quadcopter dynamics II | X | | | NO | Reading corresponding notes chapters. Study and personal work about the lecture. | 1,6 | 3 |
| 6 | 6 | Block II: Quadcopter Modelling | X | | | NO | Reading corresponding notes chapters. Study and personal work about the lecture. | 1,6 | 3 |
| 7 | 7 | Block II: Inertial Navigation | X | | | NO | Reading corresponding notes chapters Study and personal work about the lecture | 1,6 | 3 |
| 8 | 8 | Block II: Estimation | X | | | NO | Reading corresponding notes chapters. Study and personal work about the lecture. | 1,6 | 3 |
| 9 | 9 | Block II: Advanced Control | X | | | NO | Reading corresponding notes chapters Study and personal work about the lecture | 1,6 | 3 |
| 10 | 10 | Block III: Quad-rotor. Simulation | | X | X | YES | Reading the reference material Study and personal work. | 1,6 | 3 |
| 11 | 11 | Block III: Quad-rotor assembly lab. I. | | X | X | YES | Reading the reference material Study and personal work. | 1,6 | 3 |
| 12 | 12 | Block III: Quad-rotor assembly lab. II. | | X | X | YES | Reading the reference material Study and personal work. | 1,6 | 3 |

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| 13 | 13 | Block III: Quad-rotor assembly lab. III. | | X | X | YES | Reading the reference material Study and personal work. | 1,6 | 3 |
| 14 | 14 | Block III: Quad-rotor Flight Testing. | | X | X | YES | Reading the reference material Study and personal work. | 1,6 | 3 |
| Subtotal 1 | | | | | | | | 22.4 | 39 |
| Total 1 (Horas de clase más horas de trabajo en casa del alumno) | | | | | | | | 61.4 | |

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| 8 | | Tutorials, handing in, etc | | | | | | | |
| 9 | | Assessment | | | | | | | |
| 10 | | | | | | | | 3 | 21 |
| 11 | | | | | | | | | |
| Subtotal 2 | | | | | | | | 3 | 21 |
| Total 2 (Horas de clase más horas de trabajo en casa del alumno) | | | | | | | | 24 | |

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| TOTAL (Total 1 + Total 2. Máximo 90 horas) | | | | | | | | 85.4 | |
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() In EPS are given an additional 6 hours of completary teaching along two sessions.*