**uc3m** | Universidad **Carlos III** de Madrid
Vicerrectorado de Estudios

**CALENDARIO DE ACTIVIDADES DE EVALUACIÓN CONTINUA COMUNES A TODOS LOS GRUPOS DE LA ASIGNATURA**
**CALENDAR OF CONTINUOUS ASSESSMENT ACTIVITIES COMMON TO ALL GROUPS OF THE COURSE**

**ASIGNATURA - COURSE:** Air Navigation Systems

**ESTUDIO - PROGRAMME: Master in Aeronautical Engineering.**

| SEMANA - WEEK | ACTIVIDADES DE EVALUACIÓN CONTINUA - CONTINUOUS ASSESSMENT ACTIVITIES |
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| 3 | Flight Planning Assignment. Students prepare a realistic flight plan between a given origin-destination pair (they will later on fly this flight plan) |
| 5 | Lineal and Integer Optimization Laboratory. Students solve a series of basic linear, integer and mixed-integer linear problems. |
| 7 | Air Traffic Flow Management Laboratory. Students solve a network optimization problem that models flow management services and arrival management services. |
| 8 | Flight Simulator Laboratory. Students use the Microsoft Flight Simulator to perform a mission between two given airports. Training material is provided before-hand (students have already prepared the flight plan in the first activity). |
| 10 | Conflict Detection and Resolution Lab. Students solve a nonlinear optimization problem to detect and avoid a two/multiple aircraft encounter scenario. |
| 12 | ATM performance Simulation Lab. |