UPM

Master en Ciencia y Tecnología Nuclear (2 years - 120 ECTS)
(Master in Nuclear Science and Technology)

Number of students 2007-2008: **13 for Nuclear Engineering**
Language: **Español – Inglés**
For further information: www.din.upm.es

Course Titles	ECTS	Lectures
1st year (55 ECTS from 76 ECTS optional)		
1. Energy Technology	4,8	J.M. Perlado
2. Nuclear Physics I	4,8	J.M. Perlado
3. Nuclear Technology I	4,8	E. Gallego
4. Nuclear Power Plants	4,8	E. Mínguez
5. Radiological Protection	3,8	E. Gallego
6. Nuclear Physics II	6	J.M. Aragonés
7. Nuclear Technology II	6	O. Cabellos
8. Introduction to Nuclear Safety	6	E. Gallego
9. Nuclear Fusion	6	J.M. Perlado
10. Radiation Technology	6	J. Honrubia
11. Nuclear Reactor Design	6	J.M. Aragonés
12. Nuclear Thermohydraulic	4	D. Cuervo
13. Nuclear Propulsion Ships	3	C. Ahnert
14. Plasma Physics and Technological Applications	3	J. Honrubia
15. Nanosystems Fundaments	3	J.M. Perlado
16. Safety in the Radioactive Waste Management	4	E. Gallego
2nd year (65 ECTS)		
17. Advanced Technologies in Nuclear Fission Reactors	6	C. Ahnert
18. Partitioning and Transmutation of Nuclear Waste	3	J.M. Perlado
19. Inertial Confinement Fusion	3	J.M. Perlado
20. Particle and Radiation Transport	3	J. Honrubia
21. Reliability and Risk Assessment	3	D. Cuervo
22. Numerical Methods in Fluidynamics	6	P. Velarde
23. Nuclear Safety	4	E. Gallego
24. Radioactive Waste Management	4	E. Gallego
25. Environmental Radiological Impact	3	E. Gallego
26. Final Project	30	