



DENOMINACIÓN ASIGNATURA: Data Analytics for the Smart Society

MÁSTER in Big Data Analytics

CURSO: 1

CUATRIMESTRE: 2

PLANIFICACIÓN SEMANAL DE LA ASIGNATURA

| SE-MA-NA | SE-SIÓN | DESCRIPCIÓN DEL CONTENIDO DE LA SESIÓN | GRUPO (Marcar X) | | Indicar espacio necesario distinto aula (aula inform, laboratorio, etc..) | Indicar SI/NO es una sesión con 2 profesores (*) | TRABAJO DEL ALUMNO DURANTE LA SEMANA | | |
|----------|---------|--|------------------|-----------|---|--|--------------------------------------|--------------------|---------------------------------|
| | | | GRAN-DE | PE-QUE-ÑO | | | DESCRIPCIÓN | HORAS PRESENCIALES | HORAS TRABAJO Semana Máximo 7 H |
| 1 | 1 | Course Presentation Basic concepts in image and video processing (part 1) | | | | No | | 1,5 | |
| 2 | 2 | Lab exercise: managing images in MATLAB | | | Lab. 4.0B01 | No | | 1,5 | |
| 3 | 3 | Basic concepts in image and video processing (part 2) Image representation Image and video retrieval | | | | No | | 1,5 | |
| 4 | 4 | Lab exercise: image categorization (part 1) | | | Lab. 4.0B01 | No | | 1,5 | |
| 5 | 5 | Image categorization An introduction to CNNs for image and video analytics | | | | No | | 1,5 | |
| 6 | 6 | Lab exercise: image categorization (part 2) | | | Lab. 4.0B01 | No | | 1,5 | |
| 7 | 7 | Speech Analysis Speaker Recognition (part 1) | | | | No | | 1,5 | |
| 8 | 8 | Lab Exercise: Speaker Identification (part 1) | | | Lab. | No | | 1,5 | |

| | | | | | | | | | |
|-----------------|----|---|--|--|----------------|----|--|-----------|---------------|
| | | | | | 4.0B01 | | | | |
| 9 | 9 | Speaker Recognition (part 2) Speech Recognition/Natural Language Processing | | | | No | | 1,5 | |
| 10 | 10 | Lab Exercise: Speaker Identification (part 2) | | | Lab. 4.0B01 | No | | 1,5 | |
| 11 | 11 | Decoding de brain: EEG signal processing for Human-Machine Interfaces and Detection of Epileptic Seizures | | | | No | | 1,5 | |
| 12 | 12 | Lab Exercise: decoding brain signals to build a visual speller (part 1) | | | Lab. 4.0B01 | No | | 1,5 | |
| 13 | 13 | Text Mining and Medical document categorization | | | | No | | 1,5 | |
| 14 | 14 | Lab Exercise: decoding brain signals to build a visual speller (part 2) | | | Lab. 4.0B01 | No | | 1,5 | |
| SUBTOTAL | | | | | | | | 21 | + 34 = |
| | | | | | | | | 55 | |
| 15 | | Recuperaciones, tutorías, entrega de trabajos, etc | | | | | | | |
| 16-18 | | Preparación de evaluación y evaluación | | | | | | 3 | |
| TOTAL | | | | | | | | 75 | |

(*) El número máximo de sesiones con 2 profesores y/o de laboratorios experimentales será de 2