Universidad Carlos III de Madrid

SUBJECT:	SURVIVAL MODELS		
MASTER DEGREE: ACTUARIAL SCIENCE		ECTS: 3.0	QUARTER: 1

TIMETABLE FOR THE SUBJECT

WEEK	SESSION	DESCRIPTION OF EACH SESSION	GROUP (X mark)		Indicate if a different lecture room is needed (computer, audiovisual, etc.)	HOMEWORK PER WEEK		
			1	**2**		DESCRIPTION	ATTENDING HOURS	HOMEWORK Max. 7H/WEEK
1	1	Future lifetime of a person aged X	x			Examples and cases of mathematical model	3	6
2	1	Mortality tables	x			Survival and death probability calculations	3	6
3	1	Interpolation models	x			Non-curtate survival and death probabilities	3	6
4	1	Survival models based on hazard rates	x			Study of survival probabilities for various models	3	6
5	1	Multiple lives models.	x			Complex cohort examples	3	6
6	1	Multiple contingencies. Disability and lapses	x			Working compensation schemes	3	6

7	1	Kaplan-Meier estimator and central mortality rates	x			Survival curves and log-rank tests	3	6
TOTAL HOURS								