



<b>DENOMINACIÓN ASIGNATURA:</b>		<b>Análisis avanzado de operaciones de seguro.</b>	
<b>POSTGRADO: MÁSTER UNIVERSITARIO EN CIENCIAS ACTUARIALES</b>		<b>ECTS:</b>	<b>CUATRIMESTRE: PRIMERO</b>
Profesor/a: José Manuel, Castro Juan			

<b>CRONOGRAMA DE LA ASIGNATURA (versión detallada)</b>								
<b>SEMANA</b>	<b>SESIÓN</b>	<b>DESCRIPCIÓN DEL CONTENIDO DE LA SESIÓN</b>	<b>GRUPO (marcar X)</b>		<b>Indicar espacio Necesario distinto aula (aula informática, audiovisual, etc..)</b>	<b>TRABAJO DEL ALUMNO DURANTE LA SEMANA</b>		
			<b>1</b>	<b>2</b>		<b>DESCRIPCIÓN</b>	<b>HORAS PRESENCIALES</b>	<b>HORAS TRABAJO Semana Máximo 7 H</b>
1 <sup>st</sup> week	Theory  Practical exercise	Introduction to Market Value Liabilities, components (Financial component liabilities , Market value margin) and discount curves Derivation of mortality and longevity assumption Derivation of persistency assumption (lapse, paid up...)					3	
2nd week	Practical exercise	Profit testing: risk product (annual renewal term)				Build a tool for performing profit testing projection	3	2
3 <sup>rd</sup> week	Theory  Practical exercise	Introduction to Market Consistent Embedded Value MCEV: CFO Forum principle Profit testing: saving product				Build a tool for performing profit testing projection.	3	2
4 <sup>th</sup> week	Theory  Practical exercise	Market consistent embedded value y movement analysis of MCEV. Practical application of the CFO Forum principles to MCEV valuation. Profit testing: Unit linked product with and without guarantee (variable annuity)				Build a tool for performing profit testing projection	3	2



5th week	Theory and Practical exercise	Own Fund valuation: approach based on Market value balance sheet (MVBS). MVL: market value liabilities MVA: market value assets RM: risk margin				Build a tool for performing profit testing projection	3	2
6th week	Theory and Practical exercise	MCEV and MVBS reconciliation Market and non-market sensitivities to MCEV and MVBS				Build a tool for performing profit testing projection	3	2
7th week	Theory and Practical exercise	Introduction: new regulation IFRS 17 about insurance contract valuation.				Build a tool for performing profit testing projection	3	2
<b>TOTAL HORAS</b>								