

Annex 1. List of courses and other curricular activities that students enrolled in the double degree program between the Laurea Magistrale in “Scienze Statistiche” at UNIPA and the Master degree in “Statistics” at UMinho can select to obtain at least the equivalent of 30 ECTS during the stay at host university

Table 1 – Courses to be completed at **UMinho** by UNIPA Students and corresponding UNIPA courses

UNIPA	UMinho
Laurea Magistrale in Scienze Statistiche	Master degree in “Statistics”
<i>Students choosing the 2nd semester of the 1st year</i>	
Piani di campionamento per le scienze sociali (9 ECTS) Biostatistica (9 ECTS) Metodi Statistici Avanzati CI (9 ECTS) Modelli matematici per la gestione del rischio (9 ECTS) Metodi esplorativi per Big Data (9 ECTS) Attività a scelta libera (9 ECTS) Piani Sperimentali e Sperimentazioni Cliniche (3 ECTS)	Amostragem e Planeamento de Experiências (6 ECTS) Option 1 - Análise de Sobrevivência (6 ECTS) Estatística Bayesiana e Aplicações (6 ECTS) Análise Estatística Multivariada (6 ECTS) Option 2 - Modelação Estatística Espaço-Temporal (6 ECTS) Thesis project (12 ECTS)
<i>Students choosing the 1st semester of the 2nd year</i>	
Stochastic Processes (6 ECTS) Modelli Statistici (9 ECTS) Biostatistica (9 ECTS) Metodi esplorativi per Big Data (9 ECTS) Progetto di tesi (15 ECTS)	Option 3 - Modelos de Dados Longitudinais (6 ECTS) Modelos Lineares Generalizados e Aplicações (6 ECTS) Option 4 - Simulação Estocástica (6 ECTS) Thesis project (12 ECTS)

Table 2 – Courses to be completed at **UNIPA** by the UMinho Student and corresponding UMinho courses

UMinho Master degree in “Statistics”	UNIPA Laurea Magistrale in Scienze Statistiche
<i>Students choosing the 2nd semester of the 1st year</i>	
<p>Estatística Bayesiana e Aplicações (6 ECTS)</p> <p>Amostragem e Planeamento de Experiências (6 ECTS)</p> <p>Análise Estatística Multivariada (6 ECTS)</p> <p>Option 1- Análise de Sobrevivência (6 ECTS)</p> <p>Option 2- Modelação Estatística Espaço-Temporal (6 ECTS)</p>	<p>Biostatistica (9 ECTS)</p> <p>Metodi Statistici Avanzati C.I (9 ECTS) (composed by 2 parts: Metodi statistici non parametrici (6 ECTS) and Statistica Bayesiana (3 ECTS)).</p> <p>Econometria (6 ECTS)</p> <p>Mathematics for Economics and Finance (10 ECTS)</p> <p>Statistica per Analisi Economiche e Aziendali (6 ECTS)</p> <p>Metodi statistici per l’Economia e i Mercati finanziari CI (9 ECTS) (composed by two parts: Metodi statistici per i Mercati finanziari (3 ECTS) and Lab (3 ECTS)</p> <p>Topics in Macro and Financial Econometrics (6 ECTS)</p>
<i>Students choosing the 1st semester of the 2nd year</i>	
<p>Modelos Lineares Generalizados e Aplicações (6 ECTS)</p> <p>Option 3- Modelos de Dados Longitudinais (6 ECTS)</p> <p>Option 4- Simulação Estocástica/Teoria do Risco (6 ECTS)</p> <p>Thesis project (12 ECTS)</p>	<p>Stochastic Processes (6 ECTS)</p> <p>Modelli matematici per la gestione del Rischio CI (9 ECTS) (composed by two parts: Modelli matematici per la gestione del Rischio (6 ECTS) and Lab (3 ECTS))</p> <p>Dati Categoriali (6 ECTS)</p> <p>Modelli Statistici (9 ECTS)</p> <p>Metodi esplorativi per Big Data (9 ECTS)</p> <p>Valutazione Statistica ed Economica in Sanità (9 ECTS) (composed by 2 parts: Piani Sperimentali e Sperimentazioni Cliniche (3 ECTS) and Metodi Statistici per la Valutazione in Sanità (6 ECTS))</p> <p>Thesis Project (15 ECTS)</p>

Table 3 – List of extracurricular (optional) courses offered at **UMinho** and available, if desired, for UNIPA Students.

UMinho - Bachelor degree in “Applied Statistics”	
<i>1st semester</i>	<i>2nd semester</i>
Processos Estocásticos (6 ECTS) Bioestatística (5 ECTS) Análise Multivariada e Aplicações (7.5 ECTS) Investigação Operacional II (5 ECTS)	Tópicos de Engenharia Económica (5 ECTS) Investigação Operacional I (5 ECTS) Tecnologias de Bases de Dados (5 ECTS)