



TEACHING ACTIVITIES CATALOGUE

ACADEMIC YEAR 2021/2022

Note:

Additional information shall be added during the year.

Information currently missing is labelled as "TBD" (i.e. To be determined).

Latest update: 7th December 2021

1) ACTIVITIES EX D.M. 45/2013

1.1. LINGUISTIC ACTIVITIES

Title	ENGLISH LEVEL B1
Lecturer	Assigned by CLA
CFUs	2,5
When?	Organised by CLA: https://cla.univr.it
Where?	

Title	ENGLISH LEVEL B2
Lecturer	Assigned by CLA
CFUs	2,5
When?	Organised by CLA: https://cla.univr.it
Where?	

Title	ENGLISH LEVEL C1
Lecturer	Assigned by CLA
CFUs	2,5
When?	Organised by CLA: https://cla.univr.it
Where?	

Title	ITALIAN LANGUAGE COURSE FOR NON-NATIVE ITALIAN SPEAKERS
Lecturer	Assigned by CLA
CFUs	2,5
When?	Organised by CLA: https://cla.univr.it
Where?	

Title	ENGLISH FOR ACADEMIC WRITING SKILLS – (English Advanced Level)
Lecturers	- Arts and Humanities: TBD (Call available on the University official register); - Law and Economics: TBD (Call available on University official register); - Life and Health Sciences: TBD (Call available on University official register); - Natural Sciences and Engineering: TBD (Call available on University official register).
Teaching hours	10 (2,5 per day) + 10 in e-learning mode
CFUs	2,5
Requirements	English level C1 for Arts and Humanities; B2 for all other Areas
When?	20, 21, 24, 25 January 2022, 9:45-12:30 (15 mins break)
Where?	- Arts and Humanities: TBD - Law and Economics: TBD - Life and Health Sciences: TBD - Natural Sciences and Engineering: TBD

<i>Description (in common for all Areas)</i>			
20 January 2022	21 January 2022	24 January 2022	25 January 2022
Focus on language: Active/passive voice; nominalisations and compounds; simple/complex sentences. Focus on citation strategies: Direct quotations vs. paraphrasing; avoiding plagiarism; linguistic strategies for paraphrasing.	Focus on writing skills and style: 1) Grammar and vocabulary for academic writing: verb tenses; word order; the use of articles; link words; punctuation; 2) Structuring sentences and paragraphs: clarity, coherence and conciseness; hedging and criticising; defining, comparing, evaluating and highlighting.	Review and Reflection: 1) Spoken or written language? 2) Academic Phrasing: noun phrase development. Focus on introductory texts: 1) Writing academic bios; 2) Summary writing; 3) Presenting an argument.	Focus on abstracts: 1) Analysis of "Abstract" Structure; 2) Practical abstract writing with peer reviews. Analysis and Practice: 1) Strategies and methods for organizing an essay (introduction, transition sentences, writing style); 2) Writing practice and peer review.

Title	ENGLISH FOR ACADEMIC PRESENTATION SKILLS – (English Advanced Level)		
Lecturers	- Arts and Humanities: TBD (Call available on University official register); - Law and Economics: TBD (Call available on University official register); - Life and Health Sciences: TBD (Call available on University official register); - Natural Sciences and Engineering: TBD (Call available on University official register).		
Teaching hours	10 (2,5 per day) + 10 in e-learning mode		
CFUs	2,5		
Requirements	English level C1 for Arts and Humanities; B2 for all other Areas		
When?	1, 2, 3, 4 February 2022, 9:45-12:30 (15 mins break)		
Where?	- Arts and Humanities: TBD - Law and Economics: TBD - Life and Health Sciences: TBD - Natural Sciences and Engineering: TBD		
<i>Description (in common for all Areas)</i>			
1 February 2022	2 February 2022	3 February 2022	4 February 2022
Focus on Public Speaking: 1) Fears and advice; 2) Planning and rehearsal; 3) Useful language for sign-posting; 4) Non-verbal communication; 5) Practice	Focus on software support: 1) Why use software?; 2) What is available: Prezi vs. Powerpoint Developing slides/frames: 1) Make Powerpoint work for you; 2) Introduction to using Prezi; 3) Practice	Presentation of slides/frames 1 1) Student presentations; 2) Peer review Focus on question and answer sessions 1) Organise the session to make it work for you; 2) Problem solving; 3) Practice.	Focus on language for data presentation: 1) Presenting graphs and visuals; 2) Practice Presentation of slides/frames 2: 1) Student presentations; 2) Question and answer sessions; 3) Peer review

1.2. STATISTICS AND COMPUTER SCIENCES

Title	BASIC LEVEL STATISTICS				
CFUs	2,5				
Language	English				
Description	The course is structured in modules, which are open to all students but recommended for specific areas. Each student may compose modules according to his/her interests and acquired knowledge				
Teaching hours	Each student will attend modules for at least 20 hours				
TITLE	HOURS	LECTURER(S)	WHEN?	WHERE?	RECOMMENDED FOR
Introduction to empirical research (measurement issues, research designs, data collection)	4	Margherita Pasini Margherita Brondino Elisa Menardo	22/10/2021, 9-13	https://univr.zoom.us/j/81855217757?pwd=aUtKS2F2UVFjUmUya25qSk4rZlINQTO9 Meeting ID: 818 5521 7757 Passcode: 501217	Human Sciences
Introduction to statistics: Descriptive statistics (univariate and bivariate) and graphical representation (Excel and Jamovi)	8		28/10/2021, 9-13 29/10/2021, 9-13		
Simple and multiple linear regression analysis and hierarchical regression	8		3/11/2021, 9-13 5/11/2021, 9-13		
Null hypothesis testing t-test, Chi-square One way ANOVA	8		25/11/2021, 9-13 26/11/2021, 9-13		
Introduction to Probability - module I	8	Marco Minozzo	10/11/2021, 14-18 17/11/2021, 14-18	Lessons delivered via Zoom, recordings will also be available. Enrolment at: https://forms.office.com/Pages/DesignPage.aspx?lang=it-IT&origin=OfficeDotCom&route=Start#Analysis=true&FormId=kTYadtrcCEC7g7fSmlJko3g_W9vJUkhlSH3fx76yruRUN0VSUjQ0NDhON1JFTzZGQIBKMTdSiA1Ni4u	Economics
Introduction to Probability - module II	8		26/11/2021, 14-18 3/12/2021, 14-18		
Introduction to Statistical Inference	8		22/02/2022, 14-18 24/02/2022, 14-18	TBD (awaiting info by the Lecturer)	
Statistical Analysis With R - module I	8	Flavio Santi	March-April 2022 (awaiting further info by the Lecturer)	TBD (awaiting info by the Lecturer)	
Sensitivity, Specificity, Positive and Negative Predictive Values of a screening test. ROC curves. Cohen's kappa coefficient of agreement	4	Alessandro Marcon	March-April 2022 (awaiting further info by the Lecturer)	TBD (awaiting info by the Lecturer)	Life and Health Sciences

Further information about specific modules:

ALL THE MODULES RECOMMENDED FOR HUMAN SCIENCES	
Lecturers	Prof. Margherita Pasini, Dr. Margherita Brondino, Dr. Elisa Menardo (Univr)
Attendance/ Assessment	At least 5 meetings (= 20 hours) must be attendend in order to achieve 2,5 CFUs Those who already possess the skills shall take an interview with the teachers. Passing the interview allows the acquisition of the 2,5 CFUs without attendance.

	Attendance at the course and passing a final exam are required to access the Intermediate Level Statistics Course, which will follow
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INTRODUCTION TO PROBABILITY (MODULE I)	
Lecturer	Prof. Marco Minozzo (Univr)
Teaching hours	8
Language	English
Enrolment Requirements	There are not particular learning requirements. It is advisable that students have already been introduced (though at an elementary level) to probability and statistics. It is also advisable that students have some confidence with elementary set theory and mathematical calculus.
Attendance/ Assessment	<ul style="list-style-type: none"> - Presence to the lessons is not mandatory. - The final assessment will be through a written paper.
When?	10 November 2021, 14:00-18:00 17 November 2021, 14:00-18:00
Where?	<p>Lessons delivered via Zoom. Recordings will also be available.</p> <p>Information, links and recordings available at https://moodledidattica.univr.it/course/view.php?id=9878 after enrolling at https://forms.office.com/Pages/DesignPage.aspx?lang=it-IT&origin=OfficeDotCom&route=Start#FormId=kTYadtrcCEC7g7fSmlJko3g_W9vJUkhlS3fx76yruRUN0VSUjQ0NDhON1JFTzZGQIBKMTdiSjA1Ni4u</p>
Modules Contents	<ul style="list-style-type: none"> - Algebras and sigma-algebras, axiomatic definition of probability, probability spaces, properties of probability. - Conditional probability, Bayes theorem, stochastic independence for events. - Random variables, measurability, cumulative distribution function.
Learning Outcomes	<p>The purpose of the modules is to explain, at an intermediate level, the basis of probability theory and some of its more relevant theoretical features.</p> <p>The topics will be illustrated and explained through many examples.</p> <p>Students are expected to acquire the language and the concepts needed to better understand the probabilistic models and the statistical techniques used in their subjects.</p>

INTRODUCTION TO PROBABILITY (MODULE II)	
Lecturer	Prof. Marco Minozzo (Univr)
Teaching hours	8
Language	English
Enrolment Requirements	There are not particular learning requirements. It is advisable that students have already been introduced (though at an elementary level) to probability and statistics. It is also advisable that students have some confidence with elementary set theory and mathematical calculus.
Attendance/ Assessment	<ul style="list-style-type: none"> - Presence to the lessons is not mandatory. - The final assessment will be through a written paper.
When?	26 November 2021, 14:00-18:00 3 December 2021, 14:00-18:00

Where?	Lessons delivered via Zoom. Recordings will also be available. Information, links and recordings available at https://moodledidattica.univr.it/course/view.php?id=9878 after enrolling at https://forms.office.com/Pages/DesignPage.aspx?lang=it-IT&origin=OfficeDotCom&route=Start#FormId=kTYadtrcCEC7g7fSmIJko3g_W9vJUkhlIsH3fx76yruRUN0VSUjQ0NDhON1JFTzZGQIBKMTdISJA1Ni4u
Modules Contents	<ul style="list-style-type: none"> - Continuous random variables, density functions. - Transformations of random variables. - Expectation, variance and moments of random variables. - Bivariate random variables, covariance. - Introduction to limit theorems, weak law of large numbers.
Learning Outcomes	<p>The purpose of the modules is to explain, at an intermediate level, the basis of probability theory and some of its more relevant theoretical features.</p> <p>The topics will be illustrated and explained through many examples.</p> <p>Students are expected to acquire the language and the concepts needed to better understand the probabilistic models and the statistical techniques used in their subjects.</p>

INTRODUCTION TO STATISTICAL INFERENCE	
Lecturer	Prof. Marco Minozzo (Univr)
Requirements	There are not particular learning requirements. It is advisable that students have already been introduced (though at an elementary level) to probability and statistics. It is also advisable that students have some confidence with elementary set theory and mathematical calculus.
Attendance/ Assessment	<ul style="list-style-type: none"> - Presence to the lessons is not mandatory. - The final assessment will be through a written a paper.
Learning Outcomes	<ul style="list-style-type: none"> - Multidimensional random variables. - Transformations of multidimensional random variables. - Convergence of sequences of random variables, weak law of large numbers and central limit theorem.

STATISTICAL ANALYSIS WITH R – MODULE I	
Lecturer	Dr. Flavio Santi (Univr)
Requirements	TBD (awaiting info by the Lecturer)
Attendance/ Assessment	
Module Contents	
Learning Outcomes	

SENSITIVITY, SPECIFICITY, POSITIVE AND NEGATIVE PREDICTIVE VALUES OF A SCREENING TEST. ROC CURVES. COHEN'S KAPPA COEFFICIENT OF AGREEMENT	
Lecturer	Dr. Alessandro Marcon (Univr)
Requirements	TBD (awaiting info by the Lecturer)
Attendance/ Assessment	

Learning Outcomes	
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Title	INTERMEDIATE STATISTICS				
CFUs	2,5				
Language	English				
Description	The course is structured in modules, which are open to all students but recommended for specific areas. Each student may compose modules according to his/her interests and acquired knowledge				
Teaching hours	Each student will attend modules for at least 20 hours				
TITLE	HOURS	LECTURER(S)	WHEN?	WHERE?	RECOMMENDED FOR
ANOVA: factorial designs, repeated measures	4	Margherita Pasini Margherita Brondino Elisa Menardo	10/12/2021, 14-18	TBD	Human Sciences
Path analysis, Mediation and moderation analysis	4	Margherita Pasini Margherita Brondino Elisa Menardo	13/01/2022, 9-13		
Introduction to Meta-analysis, focused on Human Sciences Research (literature review, data collection, database construction)	4	Margherita Brondino Elisa Menardo	14/01/2022, 9-13		
Application of meta-analysis in social science and humanities fields	8	Margherita Brondino Elisa Menardo	20/01/2022, 9-13 21/01/2022, 9-13		
Exploratory and confirmatory factor analysis	8	Margherita Brondino Elisa Menardo	27/01/2022, 9-13 03/02/2022, 9-13		
Statistical Analysis With R - module II	8	Flavio Santi	April-May 2022 (awaiting further info by the Lecturer)		Economics
Determination of sample size to achieve a predefined precision or power	4	Giuseppe Verlato	March 2022 (awaiting further info by the Lecturer)		Life and Health Sciences
Generalized Linear models: logistic regression, loglinear model, Poisson model	8	Lucia Cazzoletti	April-May 2022 (awaiting further info by the Lecturer)		
Survival analysis: log-rank test, Kaplan-Meier survival curves, Cox regression model	12	Simone Accordini	June 2022 (awaiting further info by the Lecturer)		
Study design for observational studies (cross-sectional, cohort, case-control, ecologic) or experimental studies (parallel groups, cross-over, factorial)	8	Alessandro Marcon	April-May 2022 (awaiting further info by the Lecturer)		
Introduction to Meta-analysis, Focused on Medical Research (literature review, data collection, database construction)	4	Giuseppe Verlato	June-July 2022 (awaiting further info by the Lecturer)		
Application of meta-analysis to the epidemiological or medical field	4	Giuseppe Verlato	June-July 2022 (awaiting further info by the Lecturer)		

Further information about specific modules:

ALL THE MODULES RECOMMENDED FOR HUMAN SCIENCES	
Lecturers	Prof. Margherita Pasini, Dr. Margherita Brondino, Dr. Elisa Menardo (Univr)

Enrolment Requirements	Attendance at the Basic Level Statistics for Human Sciences course and passing the final exam are required to access the Intermediate Level Statistics Course. Those who already possess the skills that are the subject of training for the Basic Course will be able to access the Intermediate Level Course without attending the Basic Course, after an interview with the teachers.
Attendance/Assessment	TBD

STATISTICAL ANALYSIS WITH R – MODULE II	
Lecturer	Dr. Flavio Santi (Univr)
Requirements	TBD (awaiting info by the Lecturer)
Attendance/Assessment	
Module Contents	
Learning Outcomes	

ALL THE MODULES RECOMMENDED FOR LIFE AND HEALTH SCIENCES	
Lecturers	Prof. Giuseppe Verlato, Prof. Simone Accordini Dr. Lucia Cazzoletti, Dr. Alessandro Marcon (Univr)
Requirements	TBD (awaiting info by the Lecturers)
Attendance/Assessment	
Modules Contents	
Learning Outcomes	

Title	PYTHON PROGRAMMING LANGUAGE
Lecturer	TBD (Call to be published soon)
Teaching hours	20
CFUs	2,5
When?	TBD (Call to be published soon)
Where?	
Course Contents	TBD (Section to be edited by the Lecturer)
Learning Outcomes	

Title	ACADEMIC WRITING IN LATEX
Lecturer	Prof. Enrico Gregorio (Univr)
Teaching hours	12
CFUs	2
When?	17, 19, 24, 26 January 2022, 14:30-17:30
Where?	Dual mode (in-person and via Zoom). Recordings will be available. Zoom link and Room TBD
Course Contents	Presentation of the LaTeX system for computer typography and of the basic structure of the language and its features
Learning Outcomes	Ability to prepare documents in high level typographic format

Title	BASI DI DATI SCOPUS E WEB OF SCIENCE
Lecturer	Prof. Matteo Cristani (Univr)
Teaching hours	6
CFUs	1
When?	February 2022 (awaiting further information by the Lecturer)
Where?	TBD (awaiting info by the Lecturer)
Course Contents	
Learning Outcomes	

Title	ACADEMIC PRESENTATION
Lecturer	Prof. Graziano Pravadelli (Univr)
Teaching hours	4
CFUs	1
Language	English
Attendance/ Assessment	100% attendance required, in presence. Assessment is not required.
When?	May 2022 (awaiting further information by the Lecturer)
Where?	In-person, room TBD
Course Contents	Presentation outline, Presentation styles, Planning of the overall presentation and of each single slide, Taking care of time and audience, Best practices and errors to avoid

Learning Outcomes	The student will learn how to organize a presentation by considering its goal, the expected audience and the time constraints
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Title	SEMINARIO AVANZATO SULLE RISORSE BIBLIOTECARIE PER LA RICERCA
Lecturers	Dr. Donatella Boni, Elena Scanferla, Luisella Zocca (Univr)
Teaching hours	10 (4 meetings of which 3 in common for all participants; 1 specific for different Areas)
CFUs	2,5
Language	Italian
When and Where?	<p>1) First meeting (2 hours, Dr. Boni), aimed at all participants: 15 December 2021, 10:00-12:00; Zoom: link. Recording will also be available.</p> <p>2) Second meeting (3 hours), differentiated for areas:</p> <ul style="list-style-type: none"> a. Law (Dr. Zocca): 10 January 2022, 15:00-18:00 in person, Room TBD b. Economics (Dr. Zocca): 18 January 2022, 15:00-18:00 in person, Room TBD c. Archaeology, Art History and History (Dr. Boni): 19 January 2022, 10:00-13:00 in-person, Room TBD d. Italian and Foreign Literatures/Linguistics (Dr. Boni): 25 January 2022, 10:00-13:00 in-person, Room TBD e. Human Sciences (Dr. Boni): 26 January 2022, 10:00-13:00 in-person, Room TBD f. Life and Health Sciences (Dr. Scanferla): 7 February 2022, 14:00-17:00 in-person, Room TBD g. Natural Sciences and Engineering (Dr. Scanferla): 9 February 2022, 14:00-17:00 in-person, Room TBD <p>3) Third meeting (2 hours, Dr. Zocca), aimed at all participants: 16 February 2022 in-person, Hours and Room TBD</p> <p>4) Fourth meeting (2 hours), aimed at all participants: End of February 2022 (awaiting further info by the Lecturers)</p>
Description	<p>1) First meeting: "Spazi e servizi delle biblioteche, portale Universe";</p> <p>2) Second meeting: "Banche dati e laboratori di ricerca bibliografica per aree disciplinari specifiche";</p> <p>3) Third meeting: "Software per la gestione di bibliografie";</p> <p>4) Fourth meeting: "Domande e risposte e laboratorio interattivo"</p>

1.3. RESEARCH MANAGEMENT AND ENHANCEMENT

Title	INTELLECTUAL PROPERTY RIGHTS
Lecturer	Univr Administrative Staff, Research Area – Liaison Office Unit
Teaching hours	TBD
CFUs	1
Language	English
Attendance/ Assessment	On-line final test
Where?	Recorded lesson that will be available on-line
When?	Availability of recording TBD
Description	The course is aimed at providing students with the fundamentals of intellectual property rights (IPR). On one hand we will focus on how to protect research results through the various forms of IPR, on the other hand we will explore exploitation opportunities offered mainly by agreements, contracts and licenses.

Title	SPIN OFF AND START UP
Lecturer	Univr Administrative Staff, Research Area – Liaison Office Unit
Teaching hours	TDB
CFUs	1
Language	English
Attendance/ Assessment	On-line final test
Where?	Recorded lesson that will be available on-line
When?	Availability of recording TBD
Description	The seminar addresses some general issues that come up when high level research faces potential commercial opportunities. Not all researchers are born entrepreneurs, but we think that some basic hints can be always useful when dealing with the commercial side of research: a special and disenchanted focus will be put on the start up phenomenon, trying to provide PhD student with basic concepts and tools in order to knowingly set up an entrepreneurial initiative arising from science.

Title	PROJECT WRITING PER PRINCIPIANTI [TO BE CONFIRMED]
Lecturer	
Teaching hours	
CFUs	1
Language	
Attendance/ Assessment	
When?	
Where?	
Description	

Title	DISSEMINATION DEI RISULTATI DELLA RICERCA [TO BE CONFIRMED]
Lecturer	
Teaching hours	
CFUs	1
Language	
Attendance/ Assessment	
When?	
Where?	
Description	

Title	PRESENTAZIONE DEL PROGRAMMA HORIZON EUROPE [TO BE CONFIRMED]
Lecturer	
Teaching hours	
CFUs	1
Language	
Attendance/ Assessment	
When?	
Where?	
Description	