

# **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: 22nd November 2021

## 1) ACTIVITIES EX D.M. 45/2013

### **1.1. LINGUISTIC ACTIVITIES**

Title	ENGLISH LEVEL B1
Lecturer	Assigned by CLA
CFUs	2,5
When?	Organized by CLA: https://do.univr.it
Where?	Organised by CLA. <u>https://cla.univi.it</u>

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

Title	ENGLISH LEVEL C1
Lecturer	Assigned by CLA
CFUs	2,5
When?	Organized by CLA: https://do.univr.it
Where?	Organiseu by CLA. <u>https://cla.univi.it</u>

Title	ITALIAN LANGUAGE COURSE FOR NON-NATIVE ITALIAN SPEAKERS
Lecturer	Assigned by CLA
CFUs	2,5
When?	Organized by CLA: https://do.univr.it
Where?	organised by CLA: <u>https://cla.univr.it</u>

Title	ENGLISH FOR ACADEMIC WRITING SKILLS
Lecturers	<ul> <li>Arts and Humanities: TBD (Call to be published soon);</li> </ul>
	<ul> <li>Law and Economics: TBD (Call to be published soon);</li> </ul>
	<ul> <li>Life and Health Sciences: TBD (Call to be published soon);</li> </ul>
	<ul> <li>Natural Sciences and Engineering: TBD (Call to be published soon)</li> </ul>
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

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

Title	ENGLIS	SH FOR ACADEMIC PRESEN	TATION SKILLS			
Lecturers	<ul> <li>Arts and Humanities: TBD (Call to be published soon);</li> </ul>					
	- Law a	- Law and Economics: TBD (Call to be published soon);				
	- Life a	nd Health Sciences: <mark>TBD (C</mark>	all to be published soon);			
	- Natu	ral Sciences and Engineerin	g: <mark>TBD (Call to be published</mark>	<mark>d soon)</mark>		
Teaching hours	10 (2,5	per day) + 10 in e-learning	mode			
CFUs	2,5					
Requirements	English	level C1 for Arts and Hum	anities; B2 for all other Are	as		
When?	1, 2, 3,	4 February 2022, 9:45-12:	30 (15 mins break)			
Where?	- Arts a	and Humanities: TBD				
	- Law a	ind Economics: <mark>TBD</mark>				
	- Life a	nd Health Sciences: TBD				
	- Natural Sciences and Engineering: TBD					
		Description (in con	nmon for all Areas)			
1 February 20	)22	2 February 2022	3 February 2022	4 February 2022		
Focus on Public Spe	eaking:	Focus on software	Presentation of	Focus on language for		
1) Fears and advice	;	support:	slides/frames 1	data presentation:		
2) Planning and reh	earsal;	<ol> <li>Why use software?;</li> </ol>	1) Student presentations;	1) Presenting graphs and		
3) Useful language	for	2) What is available: Prezi	2) Peer review	visuals;		
sign-posting;	vs. Powerpoint 2) Pr			2) Practice		
4) Non-verbal			Focus on question and			
communication;		Developing slides/frames:	answer sessions	Presentation of		
5) Practice		1) Make Powerpoint work	1) Organise the session to	slides/frames 2:		
		for you;	make it work for you;	1) Student presentations;		
		<ol><li>Introduction to using</li></ol>	<ol><li>Problem solving;</li></ol>	2) Question and answer		
		Prezi;	3) Practice.	sessions;		
		3) Practice		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 specifi	for specific areas. Each student may compose modules according to his/her interests				
	and acqui	and acquired knowledge				
Teaching hours	Each stud	ent will	attend modules for	or at least 20 ho	urs	
TITLE		HOURS	LECTURER(S)	WHEN?	WHERE?	RECOMMENDED FOR
Introduction to empirical (measurement issues, re designs, data collection)	research search	4		22/10/2021, 9-13		
Introduction to statistics: statistics (univariate and graphical representation Jamovi)	: Descriptive bivariate) and (Excel and	8	Margherita Pasini Margherita Brondino	28/10/2021, 9-13 29/10/2021, 9-13	https://univr.zoom.us/i /81855217757?pwd=a UtKS2F2UVFjUmUya25 	Human Sciences
Simple and multiple linear regression analysis and hierarchical regression		8	Elisa Menardo	3/11/2021, 9-13 5/11/2021, 9-13	Meeting ID: 818 5521 7757 Passcode: 501217	
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		10/11/2021, 14-18 17/11/2021, 14-18	Lessons delivered via Zoom, recordings will also be available. Enrolment at:	
Introduction to Probabili	ty - module II	8	Marco Minozzo	26/11/2021, 14-18 3/12/2021, 14-18	https://forms.office.co m/Pages/DesignPage.as px?lang=it- IT&origin=OfficeDotCo m&route=Start#Analysi s=true&FormId=kTYadt rcCEC7g7fSmIJko3g W 9vJUkhIsH3fx76yruRUN 0VSUjQ0NDhON1JFTzZ <u>GQIBKMTdISjA1Ni4u</u>	Economics
Introduction to Statistical Inference		8		22/02/2022, 14-18 24/02/2022, 14-18	TBD (awaiting info by the Lecturer)	
Statistical Analysis With F	R - module I	8	Flavio Santi	March-April 2022 (awaiting further info by the Lecturer)	TBD (awaiting info by the Lecturer)	
Sensitivity, Specificity, Pc Negative Predictive Value screening test. ROC curve kappa coefficient of agre	ositive and es of a es. Cohen's ement	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/	At least 5 meetings (= 20 hours) must be attendend in order to achieve 2,5 CFUs	
Assessment	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

INTRODUCTION TO PROBABILITY (MODULE I)		
Lecturer	Prof. Marco Minozzo (Univr)	
Teaching hours	8	
Language	English	
Enrolment	There are not particular learning requirements. It is advisable that students have	
Requirement	already been introduced (though at an elementary level) to probability and	
S	statistics. It is also advisable that students have some confidence with	
	elementary set theory and mathematical calculus.	
Attendance/	- Presence to the lessons is not mandatory.	
Assessment	- 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?	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_W9v	
	JUkhlsH3fx76yruRUN0VSUjQ0NDhON1JFTzZGQlBKMTdlSjA1Ni4u	
Modules	- Algebras and sigma-algebras, axiomatic definition of probability, probability	
Contents	spaces, properties of probability.	
	- Conditional probability, Bayes theorem, stochastic independence for events.	
	- Random variables, measurability, cumulative distribution function.	
Learning	The purpose of the modules is to explain, at an intermediate level, the basis of	
Outcomes	probability theory and some of its more relevant theoretical features.	
	The topics will be illustrated and explained through many examples.	
	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.	

INTRODUCTION TO PROBABILITY (MODULE II)		
Lecturer	Prof. Marco Minozzo (Univr)	
Teaching hours	8	
Language	English	
Enrolment Requirement s	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> <li>Presence to the lessons is not mandatory.</li> <li>The final assessment will be through a written paper.</li> </ul>	
When?	26 November 2021, 14:00-18:00 3 December 2021, 14:00-18:00	

essons delivered via Zoom. Recordings will also be available.
formation, links and recordings available at
ttps://moodledidattica.univr.it/course/view.php?id=9878
fter enrolling at
ttps://forms.office.com/Pages/DesignPage.aspx?lang=it-
&origin=OfficeDotCom&route=Start#FormId=kTYadtrcCEC7g7fSmIJko3g_W9v
JkhIsH3fx76yruRUN0VSUjQ0NDhON1JFTzZGQIBKMTdISjA1Ni4u
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.
he purpose of the modules is to explain, at an intermediate level, the basis of
robability theory and some of its more relevant theoretical features.
he topics will be illustrated and explained through many examples.
tudents are expected to acquire the language and the concepts needed to
etter understand the probabilistic models and the statistical techniques used in
neir subjects.
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	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/	- Presence to the lessons is not mandatory.
Assessment	- The final assessment will be through a written a paper.
Learning	- Multidimensional random variables.
Outcomes	- 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	
Attendance/	
Assessment	
Module	TBD (awaiting info by the Lecturer)
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		
Attendance/	TBD (awaiting info by the Lecturer)	
Assessment		

Learning	rning				
Outcomes	omes				

Title	INTERMEDIATE STATISTICS						
CFUs	2,5						
Language	English						
Description	The cours	The course is structured in modules, which are open to all students but recommended					
	for specifi	ic areas.	Each student ma	y compose mod	ules according to hi	s/her interests	
Tooching hours	and acqui	red kno	wiedge attand modulas f	ar at least 20 ha			
Teaching nours	Each stuu	ent wiii		or at least 20 no		RECOMMENDED	
TITLE		HOURS	LECTURER(S)	WHEN?	WHERE?	FOR	
ANOVA: factorial designs measures	, repeated	4	Margherita Pasini Margherita Brondino Elisa Menardo	10/12/2021, 14-18			
Path analysis, Mediation moderation analysis	and	4	Margherita Pasini Margherita Brondino Elisa Menardo	13/01/2022, 9-13			
Introduction to Meta-ana on Human Sciences Rese (literature review, data c database construction)	alysis, focused arch ollection,	4	Margherita Brondino Elisa Menardo	14/01/2022, 9-13	TBD	Human Sciences	
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 F	R - module II	8	Flavio Santi	April- (awaiting further	May 2022 <mark>r info by the Lecturer)</mark>	Economics	
Determination of sample achieve a predefined pre power	size to cision or	4	Giuseppe Verlato	Ma <mark>(awaiting further</mark>	rch 2022 <mark>r info by the Lecturer)</mark>		
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)		Life and Health	
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)		Sciences	
Introduction to Meta-analysis, Focused on Medical Research (literature review, data collection, database construction)		4	Giuseppe Verlato	June <mark>(awaiting furthe</mark> i	-July 2022 <mark>r info by the Lecturer)</mark>		
Application of meta-analysis to the epidemiological or medical field		4	Giuseppe Verlato	June (awaiting further	-July 2022 r 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	Attendance at the Basic Level Statistics for Human Sciences course and passing
Requirements	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	

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

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

Title	PYTHON PROGRAMMING LANGUAGE
Lecturer	TBD (Call to be published soon)
Teaching hours	20
CFUs	2,5
When?	TPD (Call to be publiched seen)
Where?	TBD (Call to be published soon)
Course Contents	
Learning	TBD (Section to be edited by the Lecturer)
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	Ability to propage documents in high loyal typegraphic format
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?	
Course Contents	TPD (awaiting info by the Lecturer)
Learning	
Outcomes	

Title	ACADEMIC PRESENTATION
Lecturer	Prof. Graziano Pravadelli (Univr)
Teaching hours	4
CFUs	1
Language	English
Attendance/	100% attendance required, in presence. Assessment is not required.
Assessment	
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	The student will learn how to organize a presentation by considering its goal, the
Outcomes	expected audience and the time constraints

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
Language	Italian
When and	1) First meeting (2 hours, Dr. Boni), aimed at all participants:
Where?	15 December 2021, 10:00-12:00;
	Zoom: link. Recording will also be available.
	2) Second meeting (3 hours), differentiated for areas:
	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 IBD
	d. Italian and Foreign Literatures/Linguistics (Dr. Boni):
	25 January 2022, 10:00-13:00 in-person, Room I BD
	e. Human sciences (Dr. Boili).
	f life and Health Sciences (Dr. Scanferla):
	7 February 2022 14:00-17:00 in-person Room TRD
	g Natural Sciences and Engineering (Dr. Scanferla):
	9 February 2022, 14:00-17:00 in-person, Room TBD
	- · · · · · · · · · · · · · · · · · · ·
	3) Third meeting (2 hours, Dr. Zocca), aimed at all participants:
	16 February 2022 in-person, Hours and Room TBD
	4) Fourth meeting (2 hours), aimed at all participants:
	End of February 2022 (awaiting further info by the Lecturers)
Description	<ol> <li>First meeting: "Spazi e servizi delle biblioteche, portale Universe";</li> </ol>
	2) Second meeting: "Banche dati e laboratori di ricerca bibliografica per aree
	disciplinari specifiche";
	<ol> <li>Third meeting: "Software per la gestione di bibliografie";</li> </ol>
	<ol> <li>Fourth meeting: "Domande e risposte e laboratorio interattivo"</li> </ol>

#### **1.3. RESEARCH MANAGEMENT AND ENHANCEMENT**

Title	INTELLECTUAL PROPERTY RIGHTS
Lecturer	Univr Administrative Staff, Research Area – Liaison Office Unit
Teaching hours	2
CFUs	1
Language	English
Attendance/	On line final test
Assessment	
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	2
CFUs	1
Language	English
Attendance/	On line final test
Assessment	
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	2
CFUs	1
Language	
Attendance/	
Assessment	
When?	
Where?	
Description	

Title	DISSEMINATION DEI RISULTATI DELLA RICERCA
	[TO BE CONFIRMED]
Lecturer	
Teaching hours	2
CFUs	1
Language	
Attendance/	
Assessment	
When?	
Where?	
Description	

Title	PRESENTAZIONE DEL PROGRAMMA HORIZON EUROPE
	[TO BE CONFIRMED]
Lecturer	
Teaching hours	2
CFUs	1
Language	
Attendance/	
Assessment	
When?	
Where?	
Description	