

ECTS Syllabus

Course title	Research Methods in Nutrition and Dietetics				
Course code	NUTR-515				
Course type	Required				
Level	2 nd Cycle				
Year / Semester	2 nd Year (Fall Semester)				
Teacher's name	Dr Maria Christofidou & Assigned Supervisor				
ECTS	7.5	Lectures / week	1/week (3hrs)	Laboratories / week	0
Course purpose and objectives	<p>The main objectives of the course are to:</p> <ul style="list-style-type: none">Familiarize students with the core principles that underpin scientific research and the various study designs.Acquaint students with performing basic analysis of quantitative data.Enable the use of appropriate frameworks for reviewing and appraising evidence, mainly relating to nutritional research.				
Learning outcomes	<p>After completion of the course students are expected to be able to:</p> <ul style="list-style-type: none">Formulate clear research hypotheses.Identify and use health information resources.Produce summaries of data held on computer.Analyze and interpret the results of basic statistical analyses and define key terms used in them.Critically evaluate different types of study design and scientific evidence.Critical analyze and evaluate published research.				
Prerequisites	None		Required		
Course content	<ol style="list-style-type: none">Philosophy of science and aim of scientific research, mainly nutritional research.Responsible Conduct in Research.Systematic Literature Search.Formulation of a Research Protocol.Main Types of Nutritional Study Designs (Interventional, Observational).Descriptive Statistics.Hypothesis testing				
Teaching methodology	Case Studies, Project and Problem Based Learning, Field Trips and Site Visits, Research Projects, Group Discussions and Debates, Practical Laboratory Sessions, Fieldwork and Clinical Placements, Guest Speakers and Industry Experts, Workshops and Seminars, Reflective Journals and Portfolios, Collaborative Projects and Presentations.				

Required Textbooks/ Readings

Title	Author(s)	Publisher	Year	ISBN
Μεθοδολογία της έρευνας στις επιστήμες υγείας	Πέτρος Γαλάνης	Κριτική	2022 (2 nd Edition)	9789605864026
Μεθοδολογία της έρευνας και της ανάλυσης δεδομένων για τις επιστήμες της υγείας	Δημοσθένης Β. Παναγιωτάκος	Διόνικος	2011	978-960-6619-64-9
Introduction to research methods: a practical guide for anyone undertaking a research project	Catherine Dawson	Robinson	2019	9781408711040 (ebook)9781408711057 (paperback)

Or the most recent edition of the above mentioned books
Updated primary and secondary articles, relevant to the lectures.

Recommended Textbooks/Readings

Title	Author(s)	Publisher	Year	ISBN
Μεθοδολογία της έρευνας στις επιστήμες υγείας	Lagoumintzis, Georgios Vlachopoulos, Georgios Koutsogiannis, Konstantinos	Kallipos, Open Academic Editions	2015	978-960-603-223-3
How To Write Your First Thesis	Paul Gruba, Justin Zobel	Springer International	2017	ISBN-10: 3319618539

			Publishing AG		
	How to Write a Research Proposal, Paper or Thesis	Dr Robert V Labaree , Dr Azadeh Nemati	Koshamehr	2016	ISBN-10: 9649741755
	Research Writing Simplified: A Documentation Guide	Raymond H. Clines, Elizabeth R. Cobb	Pearson; 8th edition	2014	ISBN-10: 9780321953483
	Research Methods in Practice. Strategies for Description and Causation	Remler DK et al	Sage publications	2015	ISBN13: 9781452276403
	The Craft of Research	Wayne C. Booth, Gregory G. Colomb, Joseph M. Williams, Joseph Bizup, William T. FitzGerald	University Of Chicago Press	2016 (4 th Edition)	13: 978-0226239736 10: 022623973X
	Nutrition Research Methodologies	Julie A. Lovegrove, Leanne Hodson, Sangita Sharma, Susan A. Lanham-New	Wiley-Blackwell	2015	978-1-118-55467-8
	Research Design: Qualitative, Quantitative, and Mixed Methods Approaches	JW Creswell	SAGE Publications	2013 (4th edition)	10: 1452226105 13: 978-1452226101
	A Manual for Writers of Research Papers, Theses, and Dissertations	KL Turabian, WG Booth, GG Colomb, JM Williams	University Of Chicago Press	2013 (8 th Edition)	9780226816388 eBook: 9780226816395



	Essential Medical Statistics	Betty R. Kirkwood, Jonathan A. C. Sterne	Wiley-Blackwell	2015 (2 nd Edition)	978-1-119-13893-8
Assessment	Project and Assignments, Final Examination				
Language	Greek/ English				