SUBJECT TEACHING GUIDE

M1374 - Introduction to Research Methodology

Master's Degree in Integrated Management and Research in Chronic Wounds

Academic year 2021-2022

1. IDENTIFYING DATA					
Degree	Master's Degree in Integrated Management and Research in Chronic Wounds			Type and Year	Compulsory. Year 1
Faculty	Faculty of Nursing				
Discipline	Subject Area: Research Methodology				
Course unit title and code	M1374 - Introduction to Research Methodology				
Number of ECTS credits allocated	8	Term		Semester based (1)	
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Combination of face-to-face and online training

Department	DPTO. ENFERMERIA
Name of lecturer	VICTOR FRADEJAS SASTRE
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Other lecturers	ROBERTO MARTÍN MELÓN FRANCISCO PEDRO GARCIA FERNANDEZ PEDRO LUIS PANCORBO HIDALGO

3.1 LEARNING OUTCOMES

- Defining the main concepts of research in health sciences
  Describing the different phases of the research process.
  Distinguishing between models of quantitative and qualitative research, identifying the main advantages and limitations of both models
  Structuring an appropriate strategy for literature search in major databases related to health sciences
  Accessing to documentary sources identified in the literature search, downloading the full documents for evaluation
  Critically evaluate the scientific literature found
  Designing a basic research protocol related to chronic wounds
  Justifying an investigation related to chronic wounds based on a conducted literature search, building the conceptual framework of the same
  Presenting the objectives, questions and hypotheses of a research related to chronic wounds.
  Describing the basic concepts related to variable measurement and obtaining quantitative data.
  Describing the different methods of obtaining quantitative data and identify them in published studies.
  Writing a scientific summary for the preliminary presentation of results at conferences and congresses, as well as develop an oral communication and/or poster
  Identifying the different types of scientific papers, their structure and characteristics and publishing rules

4. OBJECTIVES

Students will acquire the knowledge and skills to define research, basic instruments and types

6. COURSE ORGANIZATION

	CONTENTS
1	Module 1: Introduction to research in chronic wounds. (1.5 ECTS) Topic 1.1. Basics of research: The research process. Topic 1.2. Quantitative and qualitative research. Faced or complementary paradigms? Topic 1.3. The research protocol.
2	Module 2: The literature search of information. (1.5 ECTS) Item 2.1. Basics on literature searching: Primary and secondary sources. Item 2.2. Main bibliographic databases on health. Item 2.3. Search strategies: thesauri and operators. Topic 2.4. Access to the document. Topic 2.5. Bibliographic managers
3	Module 3: The research protocol I: Theoretical Framework. (1 ECTS) Item 3.1. The construction of the theoretical framework. Item 3.2. Basics on critical reading of original papers and reviews
4	Module 4: The research protocol II: Election of the objectives and study design. (1 ECTS) Item 4.1. Hypotheses, questions and research objectives. Item 4.2. The study design. Design types. Item 4.3. Major qualitative study designs. Ítem 4.4. The unit of study.
5	Module 5: Data collection. (2 ECTS) Item 5.1. Measurement. Basics on measuring, variables and scale types. Item 5.2 Instruments and measurement strategies. Item 5.3. Reliability. Stability, internal consistency and equivalence. Item 5.4 Validity. Validity types: content, criterion and construct
6	Module 6: Results communication. (1 ECTS) Item 6.1. The results preview: scientific meetings communication in oral or poster format. Item 6.2. The scientific paper: types, characteristics, structure and publication rules. Ítem 6.3. Presentation of the final work of master. Ítem 6.4. Defense of the final work of master.

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Performing a Basic research protocol, homework	Work	Yes	Yes	25,00
Exercise of implementing measurement concepts and data collection, homework	Work	No	Yes	15,00
Theoretical knowledge examination	Activity evaluation with Virtual Media	Yes	Yes	40,00
Theoretical class attendance and participation in forums	Work	No	No	20,00
TOTAL				100,00

Observations

Face-to-face part requires the physical presence of the student in the classroom and can not be substituted by remote synchronous alternatives.

Observations for part-time students

Observations for part-time students: Students enrolled in part-time modality must meet the same evaluation criteria as the rest of enrolled students.

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC

- Amezcua M. (2000). El Protocolo de Investigación. En Antonio Frías Osuna, Salud Pública y educación para la salud. Barcelona: Masson,:189-199.
- Burns, N., Grove, S.K. (2004). Medición y recogida de datos en investigación. En: Burns N.; Grove SK. Investigación en Enfermería. pp. 287-334. 3ª ed. Madrid. Elsevier.
- García Fernández, Francisco Pedro; Pancorbo Hidalgo, Pedro Luís. El acceso a las fuentes de información científica en enfermería. Rev Presencia 2008. 4(7). Disponible en http://www.index-f.com/presencia/n7/p0136.php
- García Fernández, FP, Soldevilla Agreda JJ, Torra i Bou JE. Atención integral de las heridas crónicas.FSJJ-GNEAUPP. Logroño 2016.
- Hernández, R., Fernadez, C., Baptista, P. (2007). Fundamentos de metodología de investigación. Madrid. McGraw-Hill / Interamericana.
- Manterola, C., Pineda, V., Vial, M. ¿Cómo presentar los resultados de una investigación científica? Rev. Chilena de Cirugía. 2007. 59(2):156-160
- Organización Panamericana de la Salud (2001). Guía para escribir un protocolo de Investigación. Programa de Subvenciones para la Investigación (RGP) Coordinación de Investigaciones (HDP/HDR) División de Salud y Desarrollo Humano. Washinton. Organización Panamericana de la Salud.
- Pancorbo Hidalgo, Pedro Luís; García Fernández, Francisco Pedro. ¿Cómo redactar un artículo científico para una revista? Rev Presencia 2008. 4(7). Disponible en http://www.index-f.com/presencia/n7/p0139.php
- Polit DF, Hungler BP. (2000) Investigación científica en ciencias de la salud. 6ª ed. México: McGraw-Hill Interamericana