

Academic Year: (2022 / 2023)

Review date: 18-05-2022

Department assigned to the subject: Library and Information Sciences Department

Coordinating teacher: SANZ CASADO, ELIAS

Type: Compulsory ECTS Credits : 6.0

Year : 3 Semester : 1

REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)

Having completed the course in Statistical Analysis of Data

OBJECTIVES

The aim of the course is to know the theoretical foundations and the basic concepts related to the metric studies of the information, as well as the methodology for its realization and the practical aspects that allow to propose analyses using the appropriate indicators and interpreting and contextualizing the results.

Students will need to acquire a range of basic and transversal skills, as well as specific ones.

Basic and transversal:

Basic skills that allow them to collect and understand data relevant to making judgements, including scientific, social and ethical reflections,

To know the models and methods of research in the area of digital information and the basic methodology of research of sources, analysis and understanding to achieve the integration of knowledge in academic work.

Have the ability to organize and plan their work, taking the right decisions based on available information, gathering and interpreting relevant data to make judgments and critical thinking.

Specifics:

To apply knowledge of statistics and quantitative analysis of information.

To understand and apply the main indicators of the metric studies of information, as well as of the economic and statistical area

DESCRIPTION OF CONTENTS: PROGRAMME

0. Course presentation.

1. Introduction to the metric technologies of information: basic concepts, definitions, aims and entails with other disciplines

2. Methodological aspects 1: sources of application information in metric studies of information.

3. Methodological aspects 2: metric information indicators and technological tools.

4. Analysis of the regularities observed in the production and consumption of information.

5. Analysis of the models involved in the scientific communication.

6. Applications of the metric technologies of information in different environments of the investigation, the innovation and the management.

LEARNING ACTIVITIES AND METHODOLOGY

- Acquisition of theoretical and practical knowledge (3 ECTS) through theoretical classes, teaching materials prepared by the teacher, online tutorials, specialized readings and commentary on the readings, as well as students' personal study.

- Acquisition of skills and abilities (3 ECTS) in practices in which the knowledge acquired will be applied to analyse the regularities of the production and consumption of scientific information and scientific communication models through the critical use of indicators and their interpretation.

ASSESSMENT SYSTEM

- Assessment system takes into account the personal follow up that it has been conducted of the student, in practical classes, seminars and tutorials, assessment of work practices, and conducting an examination or academic writing (40% of the final grade).
- The final exam accounts for 60% of the final grade.

% end-of-term-examination:	60
% of continuous assessment (assignments, laboratory, practicals...):	40

BASIC BIBLIOGRAPHY

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- TODESCHINI, R.; BACCINI, A. Handbook of bibliometrics indicators: quantitative tools for studying and evaluating research, John Wiley & Sons, 2016

ADDITIONAL BIBLIOGRAPHY

- ABELLA, A.; ORTIZ DE URBINA, M.; DE PABLOS-HEREDERO, C. Indicadores de calidad de datos abiertos: el caso del portal de datos abiertos de Barcelona., El profesional de la información, 27(2), 375-382., 2018
- ABRIZAH, A.; ERFANMANESH, M.; ROHANI, V. A.; THELWALL, M.; LEVITT, J. M.; DIDEGAH, F. Sixty-four years of informetrics research: Productivity, impact and collaboration, Scientometrics, 101(1), 569-585, 2014
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