

Workshop on mapping and graphical representations

Academic Year: (2023 / 2024)

Review date: 21-04-2023

Department assigned to the subject: Humanities: History, Geography and Art Department

Coordinating teacher: GARCIA ALVAREZ, ANTONIO JACOBO

Type: Compulsory ECTS Credits : 3.0

Year : 1 Semester : 1

OBJECTIVES

- To present information graphically, written and orally.
- To read, understand, analyze and use graphic and cartographic representations of a geopolitical and strategic nature, especially maps, atlases and infographics.
- To prepare maps and infographics with which to represent geopolitical phenomena.

DESCRIPTION OF CONTENTS: PROGRAMME

The workshop's programme includes the following lessons or didactic units:

1. Introduction to geopolitical maps and graphical representations.
2. Introduction to Geographic Information Systems.
3. Workshop on Geographic Information Systems
4. Introduction to Adobe Photoshop and Adobe Illustrator.
5. Workshop on Adobe Illustrator.
6. Creating a Digital Atlas: introduction to online maps.

LEARNING ACTIVITIES AND METHODOLOGY

The learning activities will consist of 7 theoretical and practical classes that will take place once a week during the First Term, with a 3-hour duration each. These classes will be complemented with 2-hour of personal tutoring a week during the course. During the classes, the students will learn how to use the different computer programs and will practice in the production of cartographies and other graphical representations. Finally, the students will carry out an individual term work.

The methodology followed in the classes will be based on:

- Class presentations with computer and audiovisual media support, in which the main concepts of the course are developed. Course bibliography is provided to complement the students' learning.
- Critical reading of texts recommended by the teacher of the course, either for further discussion in class, or to expand and consolidate the knowledge of the subject.
- Resolution of practical cases, problems, etc. ... raised by the teacher individually or in groups.
- Presentations and discussions in class, under the teacher's moderation of topics related to the content of the subject, and practical cases exposition and discussion.
- Preparation of papers and reports individually or in groups.

Tutorials will be carried out through the procedures established by the university.

ASSESSMENT SYSTEM

Ordinary call:

- Classroom attendance and participation: 25 % of the course grade.
- Individual work to be made during the course, which can be submitted at the end of it: 75 % of the course grade. This work will consist of creating an Atlas or, in other words, a collection of maps. The atlas will illustrate some geopolitical dynamics related to a specific topic chosen by the student. In addition, students will submit a document describing and illustrating the different steps followed in the production of the Atlas. Students could, voluntarily, produce an online map. This is not mandatory, but a complement for those who want to develop their skills in the production of online maps.

Extraordinary call:

- Individual Assignment (of a similar type to the one requested for the ordinary call): 75% of the grade.
- Presentation and defense of the individual assignment: 25 % of the grade.

% end-of-term-examination: 75

% of continuous assessment (assignments, laboratory, practicals...): 25

BASIC BIBLIOGRAPHY

- BATTISTONI-LEMIÈRE, A. et al. Cartes en Mains Méthodologie de la Cartographie, 2. Ed., Ellipses, 2013
- BLACK, J. Maps and Politics, The University of Chicago Press, 2003
- CRAMPTON, J. Mapping: A Critical Introduction to Cartography and GIS, Wiley-Blackwell, 2010
- MONMONIER, M. How to lie with maps, 3rd ed., The University of Chicago Press, 2018
- McCANDLESS, D. Information is beautiful, William Collins, 2012
- REVERT, S. Petite méthodologie de la cartographie, Ellipses, 2012
- TUFTE, E., & GRAVES-MORRIS, P. The visual display of quantitative information, 2nd ed., Graphic Press, 2006
- WOOD, D. Rethinking the Power of Maps, The Guilford Press, 2010

ADDITIONAL BIBLIOGRAPHY

- BRYARS, T. A History of the Twentieth Century in 100 Maps., The University of Chicago Press books, 2014
- FOUCHER, M. La bataille des cartes, François Bourin. 2011., 2011
- GIRARD, E. Les cartes: enjeux politiques, Ellipses, 2012
- LACOSTE, Y. Geopolítica. La larga historia del presente, Síntesis, 2012
- LIMA, M. Visual Complexity, Princeton Architectural Press, 2011
- McCANDLESS, D. Knowledge is beautiful, William Collins, 2014
- VICTOR, J.-C. Les dessous des cartes. Itinéraires Géopolitiques, Tallandier, 2012
- VICENS VIVES, J. Tratado General de Geopolítica, Vicens Vives, 1981
- WOOD, D. The Power of Maps, The Guilford Press, 1992

BASIC ELECTRONIC RESOURCES

- . Tutoriales de Adobe Illustrator: <https://helpx.adobe.com/support/illustrator.html>
- . Tutoriales de Adobe Photoshop: <https://helpx.adobe.com/photoshop/tutorials.html>
- . Tutorial de QGIS: QGIS User Guide. 2018: <https://qgis.org/en/docs/index.html>
- . Tutorial introductorio a ArcGIS online.: <https://learn.arcgis.com/en/projects/get-started-with-arcgis-online>
- . Tutoriales de Microsoft Excel para la creación de gráficos: <http://www.excel-easy.com/data-analysis/charts.html>
- . Le Monde Diplomatique. Página web especializada en mapas geopolíticos: <https://mondediplo.com/maps>
- . Political Maps. Página web especializada en mapas políticos de los EE.UU: <http://politicalmaps.org>
- . Página web de ¿Le Dessous des cartes. Le magazine geopolitique¿; versión en inglés ("Mapping the world"): <https://www.arte.tv/en/videos/RC-014036/mapping-the-world/>