

Academic Year: ( 2019 / 2020 )

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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

The Workshop on mapping and graphical representations is one of three courses that make up Subject 2: Methods and techniques of geopolitical and strategic analysis. Conceived as a workshop, the course is essentially a practical course focused on training the students in the critical reading, comprehension and, especially, the production of cartographies and other graphical representations in the field of geopolitics and strategic studies.

The workshop is essentially oriented to the integrative learning of different computer programs (Adobe Illustrator, Adobe Photoshop, QGIS and Microsoft Excel and ArcGIS online or Carto) with the aim of providing the necessary set of tools and knowledge that will make the students able to significantly improve their communication skills. After the course, the students will be able to produce attractive and meaningful cartographies and other graphical representations in an autonomous way. This skill will allow the students to enrich the geopolitical and strategic reports that they will have to produce in the third and final course of Subject 2, the Workshop on geopolitical and strategic reports.

In addition to the aforementioned specific competences and learning results, this workshop aims to strengthen the following general competences and skills:

Ability to understand the main factors involved in geopolitical and strategic analysis.

-Ability to understand and analyze from a critical perspective the territorial dimension of the discourses and practices that guide international politics, as well as to contribute to the public debate about them and to deepen the values of democracy, dialogue, tolerance, social and environmental justice and peace.

-Ability to understand and analyze national and international conflicts that have a territorial origin or influence and propose political strategies and instruments that can contribute to their resolution.

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-Ability to demonstrate critical thinking in the analytical arguments of their own and of others.

-Ability to plan and carry out an autonomous research in the field of geopolitics and strategic studies.

-Ability to communicate and present, in a clear, precise and rigorous manner, geopolitical and strategic reports to both specialized and non-specialized audiences.

## 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.

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## 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 case's exposition and discussion.
- Preparation of papers and reports individually or in groups.

The tutorials will take place by face-to-face interviews and/or via e-mail.

## ASSESSMENT SYSTEM

<b>% end-of-term-examination/test:</b>	50
<b>% of continuous assessment (assignments, laboratory, practicals...):</b>	50

- Classroom attendance and participation: 20 % of the course grade.
- Individual practices and exercises during the course: 30 % of the course grade
- Final work: 50% of the course grade

## 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, 2n 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. Le 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/>