DESCRIPTION OF INDIVIDUAL COURSE UNIT

Course title and code	**HYPERTEXT SYSTEMS** *LICENCIATURA**
Level of course (Undergraduate/ Postgraduate)	POSTGRADUATE
Programme in which is integrated	DEGREE IN LIBRARY AND INFORMATION SCIENCE
Type of course (Core /Compulsory/Elective)	ELECTIVE
Year of study	2006/07
Calendar (Semester)	SECOND SEMESTER
Credits (theory and practice)	5= 2+ 3
Number of credits expressed as student workload (ECTS)	5 ECTS credits = 125 hours 1 ECTS credit= 25-30 hours of student workload
Descriptors	Hypertext Systems applied to information systems; Architecture of the information; Usefulness, accessibility, navigation and information retrieval; Creation of Hypertext Systems applied to scientific, enterprise, institutional, spreading and leisure Information.
Objectives of the course (expressed in terms of learning outcomes and competences)	The purpose of the subjet is to provide the student with the elements necessary to establish the theoretical and practical fundamentals of the organization and retrieval of the scientific and spreading information, especially in the scope of the electronic or digital documentation for its visibility and recovery in network environment. **SPECIFIC COMPETENCES:** • To know the origin, evolution and concept of the hypertext systems. • To know the architecture of the information in online environment. • To plan the content of a hypertext system (scientist; spreading; enterprise; institutional; leisure). • To apply a methodology for the graphical representation of the hypertext. • To apply the knowledge of architecture of the information.

- To know and (to) apply the basic principles of the model centered in the user.
- To apply accessibility principles.
- To handle the main labels of the HTML language.
- To create HTML pages that contain: formated information, lists, tables and images, applying criteria of usability and network navigation.
- Lodging in the Internet network of the hypertext system created.
- Skills in the handling of the Internet and of the educative platforms.

CROSS-SECTIONAL COMPETENCES

Instrumental
- Capacity of analysis and synthesis applied to the representation of Information systems (scientist, enterprise, institutional, leisure, spreading).
- Capacity of use and adaptation of diverse techniques of oral and written communication.
- Skills in the software use (HTML Editor , images manager, FTP, free software)
- Skills in organization and planning of one´s own work.
- Capacity of management and data processing.
- Problem solving .
- Decision making.

Personal
- Ability to work in a team and to integrate in multidiscipline groups.
- Abilities in interpersonal relations.
- Critical reasoning in the analysis and the valuation of alternatives.

Systemic
- Capacity for self- learning.
- Capacity for adaptation to changes in the surroundings.
- Ability to undertake improvements and to propose innovations.
- Skills in management and leadership.
- Motivation for quality.

Prerequisites and advises	Skills in the management of informative resources in networks and other matters related to the scientific, spreading and information retrieval.
key words /Course contents	Hypertext Systems; Scientific information and spreading systems; Architecture of the information; Usefulness; Accessibility; Navigation.
Recommended reading	BIBLIOGRAPHY:

- Baró, Jaume (2002) El profesional de la información: la autoformación en una profesión en evolución [en línea]. "Hipertext.net", núm. 0. http://www.hipertext.net [Accesible junio 2006] ISSN 1695-5498

- Berners-Lee, T. et al (1992) World-Wide Web: The Information Universe. [en línea]. -World Wide Web Consortium: MIT, Massachusetts http://www.w3.org/People/Berners-Lee/ [Accesible junio 2006]
- Bianchini, A.: "*Conceptos y definiciones sobre hipertexto*". Reporte Técnico Interno. Departamento de Computación y Tecnología de la Información, Universidad Simón Bolívar. Caracas. Diciembre

1999. [versión pdf] [Accesible junio 2006]

- Chang, G. et al. (2001) Mining the World Wide Web: an information search approach. - Norwell , Massachusetts : Kluwer Academic Publishers

- Duart , Josep M.; Lara, Pablo; Saigí, Francesc (2003). - Gestión de contenidos en el diseño de contenidos educativos en línea. UOC.[en línea] Disponible en: http://www.uoc.edu/dt/20237/index.html [Fecha de consulta: 26 junio 2006].
- Gutman, L. (2004): *La biblia del Dreamweaver MX 2004*, Madrid: Anaya Multimedia, ISBN: 84-415-1711-8
- HTML 4.0. [en línea] http://www.w3c.org/MarkUp [Accesible junio 2006]
- Lamarca Lapuente, María Jesús (2005) Hipertexto: el nuevo concepto de documento en la cultura de la imagen. [Tesis doctoral] Universidad Complutense de Madrid. Facultad de Ciencias de la Información. Dpto. de Biblioteconomía y Documentación. Director de Tesis doctoral: Dr. Félix del Valle Gastaminza. [en línea] http://www.hipertexto.info/index.htm [Accesible enero 2006]

- Lynch and Horton (2002) WEB STYLE GUIDE, 2 ed, [en línea] http://www.webstyleguide.com/index.html [Accesible junio 2006]
- Mozilla Firefox "Wikipedia, enciclopedia libre" [en línea] http://es.wikipedia.org/wiki/Firefox [Accesible junio 2006]
- Nielsen, J. (2000) Usabilidad: diseño de sitios Web. Madrid, etc.: Prentice Hall, 416 p ISBN 84-205-3008-5
- No sólo Usabilidad Magazine. En: http://www.hipertext.net/web/pag100.htm
- Rosenfeld, Louis (2005) *Enterprise Information Architecture Roadmap.* http://www.louisrosenfeld.com/home/ [Accesible junio 2006]

  http://www.louisrosenfeld.com/home/bloug_archive/images/EIAroadmap2.pdf

- Rovira, Cristòfol (2000) La orientación a objetos en el diseño de hipertextos para la enseñanza - aprendizaje. *Cuadernos de Documentación multimedia*, núm, 8, 2000 http://www.ucm.es/info/multidoc/multidoc/revista/num8/rovira.html [Accesible junio 2006]]
- Tramullas, J. (2004) Diseño y arquitectura de la información. [en línea] http://www.tramullas.com/ai/index.html [Accesible enero 2006]]

- Zeldman, Jeffrey. (2004) Diseño con estándares Web. –Madrid: Anaya multimedia [Creatividad y diseño] http://www.zeldman.com/

Web resources for hypermedia

The following resources are accessible on-line [access 31st october 2006]

- Web Style
- Teachers of the Web

	• [Web development](#)	
	• [Web Workshop](#)	
	• Internet launcher (all the necessary one to create your own Web page <http://usuarios.iponet.es/lubrin/html.htm>	
	• Several courses on HTML and other resources (Flash, PHP...) in Spanish: <http://www.lawebdelprogramador.com/cursos>	
	• HTML workshop <http://www.uca.es/taller-html>	

Teaching methods

The methodology will be based on Blended Learning and Problem-based learning (PBL) strategies distinctive of an active and self- education, centered in the figure of the student as a key element of the training system. The student will become familiar with the online training system in order to obtain a good development of the course and to create the atmosphere characteristic of a virtual classroom. It will be a high-priority objective to achieve that the student uses diverse tools for the participation and the interaction with other students, the teacher and own materials. To attain this task the following initiatives will be carried out:

- Physical attendance at the initial session to inform on the handling of the virtual training platform
- Sessions of physical attendance to class every 7 days for the pursuit of the teaching /learning process and exposition of main subjects.
- The main tools of communication that you will be able to use are:

  o Mail: to communicate something in an individual way. It only allows the communication within the platform.
  o Forum: to raise matters of general interest. The messages exposed here are public.
  o To put announcements: it will offer information in a fast and direct way whenever you enter the platform.

  TEACHING MATERIALS:

  - Activities
  - Self-assessments
  - Teaching advices
  - Open forum
  - Space in NEMEA server for the creation and management of the practices.
  - Interactive and individualised Webgraphy.
  - Supporting materials to the virtual tutoring.

Activities and estimated workload (hours)

	Teaching hours IN THE CLASSROOM	Teaching hours OUT OF THE CLASSROOM	Factor of workload for the student	Personal working hours of student	Total hours	ECTS Credits
Theory	15	0	1.5	22,5	37,5	1,5
Practise	20	15	1.5	52,5	87,5	3,5
TOTAL	35	15	-	75	125	5

Assessment methods

For the assessment of the students , in the first place, a partial evaluation

of each module will be accomplished , considering the following factors:

Qualifiable	% Percentage
Fulfilment of the Final work	50
Fulfilment of the activities	20
Participation in the fora	15
Use of the bibliography and electronic resources	15

Language of instruction	Spanish
Links to more information	**http://cevug.ugr.es/**
Name of lecturer(s) and address for tutoring	Faculty of Library and Information Science Ana Pérez López, Ph D aperez@ugr.es

SYSTEM OF SCORING BY CRITERION

1. Clarity of the document:

   1. 1 Correction in the language.

   2. 2 Quality of the contents selected for the hypertext system in accordance with their adjustment to the proposed objectives and audience-USER.

   3. 3 Relevance of the criteria used for the selection of contents.

2. Originality:

   2. 1 Relevance of the criteria used to decide the design of presentation regarding the theme proposed.

   2. 2 Argumentation based on the read documentation, the hypertext systems consulted and on the critical analysis of the information collected.

3. Accessibility to the contained information.

   3.1 Flexibility of the proposed mechanisms of navigation.

   3. 2 Cleaning, clarity and level of detail.

   3. 3 Correction and cleaning of the HTML code, use of w2, php, new

      1. Basic structure
      2. Treatment of the space
      3. Emphasis in the text
      4. Lists
      5. Tables
      6. Links
      7. Images
      8. Links
      9. Images

4. Functionality

   4.1. Correct operation of links.

   4.2 Downloading time of pages

   4.3. Downloading time of images.

   4.4. Correct application of the style sheet to all the pages.

   4.5. Accessibility (that the pages are seen correctly from different navigators and different platforms).

   4.6. Usefulness.

   4.7 Pages should have intuitive mechanisms of navigation.

   4.8. To respect principles exposed in Nielsen´s Style Web guide "Advices to create a Web site. Usefulness".

   4.9. There should be easily locatable the most relevant information of the Web.

5. Quality of the contents

   5.1. Style of texts adapted to the audience.

   5.2. Correction in the language.

   5.3. Pages adecuacy to the design proposed (or justification of the deviation in the analysis document)

OUT OF 10 points: Up to 2 points by criterion

		Activities and working hours considered		
H	Day	Activity	Type	Support
2	1	WebCT + Platform Explanation	Physical attendance	Study guide
2	2	Introduction + Unit 1	Virtual	Forum 1: thematic
2	3	Remarks on Unit 1 and Activity U-1 +	Virtual	Chat+ Room 1 Self-assessment
2	4	Activity 1 Fulfilment		Main supporting forum
2	5	Remarks Activity -1	Virtual	Forum 2
2	6	Remarks on unit 1+ Open forum 1	Physical attendance + virtual	Chat + Forum 1
2	7	Activities Fulfilment	Virtual	Forum 2
2	8	Remarks on the Activities	Virtual	Chat + Self-assessment +
2	9	Unit 2	Physical attendance + virtual	Forum 3 + Tutorial
2	10	Field Study Project + Unit 3	Virtual	Forum 1 and 3 + Tutorial +
2	11	Unit 4	Physical attendance + virtual	Forum + tutorial
2	12	Activities Fulfilment	Virtual	Forum 2
2	13	Remarks on the Activities +	Physical attendance	Chat + Self-assessment +
2		Unit 5 (Unit programme)	Physical attendance	Forum 3 + Tutorial
2	15	Field Study Project	Virtual	Forum 1
2	16	Activities Fulfilment	Physical attendance + virtual	Forum 2
2	17	Remarks on the Activities	Virtual	Chat + Self-assessment +
2	18	Remarks U-5	Physical attendance + virtual	Forum 3 + Tutorial
2	19	Student work project	Virtual	Main forum
2	20	Activities Fulfilment	Physical attendance + Virtual	Forum
2	21	Remarks on the Activities	Virtual	Chat + Forum +
2	22	Unit programme		Self-assessment + Tutorial
2	23	Final student work review	Physical attendance	To review activity in platform

PROGRAM	
Program name	**HYPERTEXT SYSTEMS**
Coordinating institute	
Partner universities	
Contact person	
Website	
Academic level	
Target students	

Description (content)
Hypertext Systems applied to information systems; Architecture of the information; Usefulness, accessibility, navigation and information retrieval; Creation of Hypertext Systems applied to scientific, enterprise, institutional, spreading and leisure Information.

Courses offered in REVE
1.   2.

Language		Period	

Accreditation