



Teaching Guide				
Identifying Data				2022/23
Subject (*)	Information Retrieval	Code	710G04031	
Study programme	Grao en Xestión Dixital de Información e Documentación			
Descriptors				
Cycle	Period	Year	Type	Credits
Graduate	2nd four-month period	Third	Optional	6
Language	Spanish			
Teaching method	Face-to-face			
Prerequisites				
Department	Ciencias da Computación e Tecnoloxías da InformaciónComputación			
Coordinador	Gestal Pose, Marcos	E-mail	marcos.gestal@udc.es	
Lecturers	Dorado de la Calle, Julian	E-mail	julian.dorado@udc.es	
	Gestal Pose, Marcos		marcos.gestal@udc.es	
	Molares Ulloa, Andrés		andres.molares@udc.es	
Web	www.udc.es			
General description	Acceso e recuperación de información e documentación a distancia. Principais servizos telemáticos. Sistemas de redes e servizos de información electrónica. Aplicacións o campo da Biblioteconomía e Documentación. Evaluación de produtos de información electrónica. Políticas europeas relativas á teledocumentación e o teletraballo. Técnicas de navegación en Internet			

Study programme competences	
Code	Study programme competences
A6	CE6 - Search and retrieve information in various media to respond to the demand of information users
A10	CE10 - Design computer tools for representation and retrieval of information from the user's perspective
A19	CE19 - Determine and apply methods, measures and techniques designed to order, protect, preserve and restore data, information and documents of different nature
A20	CE20 - Master the bases to develop research activities using multidisciplinary methods and principles
A22	CE22 - Acquire computational skills and management of new ICT
B1	CB1 - Possess and understand knowledge that provides a basis or opportunity to be original in the development and / or application of ideas, often in a research context
B2	CB2 - Apply the knowledge acquired and their ability to solve problems in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their area of study
B3	CB3 - Be able to integrate knowledge and face the complexity of making judgments based on information that, being incomplete or limited, includes reflections on social and ethical responsibilities linked to the application of their knowledge and judgments
B4	CB4 - Know how to communicate their conclusions -and the knowledge and ultimate reasons that sustain them- to specialized and non-specialized audiences in a clear and unambiguous way
B5	CB5 - Possess the learning skills that allow them to continue studying in a way that will be largely self-directed or autonomous
B6	CG1 - Capacity for cooperation, teamwork and collaborative learning
B7	CG2 - Capacity for reflection and critical reasoning
B8	CG3 - Capacity for planning, organization and management of resources, information and operations
B9	CG4 - Capacity for analysis, diagnosis and decision making
B10	CG5 - Ability to work in an international and global context
B11	CG6 - Ability to understand the importance, value and function of the Digital Information and Documentation Management in the current ICT society
C1	CT1 - Express correctly, both orally and in writing, in the official languages ??of the autonomous community
C2	CT2 - Use the basic tools of information and communication technologies (ICT) necessary for the exercise of their profession and for learning throughout their lives
C3	CT3 - Develop oneself for the exercise of a citizenship that respects democratic culture, human rights and the gender perspective
C4	CT4 - Understand the importance of the entrepreneurial culture and know the means available to entrepreneurs



C5	CT5 - Acquire skills for life and habits, routines and healthy lifestyles
C6	CT6 - Develop the ability to work in interdisciplinary or transdisciplinary teams, to offer proposals that contribute to a sustainable environmental, economic, political and social development
C7	CT7 - Assess the importance of research, innovation and technological development in the socio-economic and cultural progress of society
C8	CT8 - Have the ability to manage time and resources: develop plans, prioritize activities, identify criticisms, establish deadlines and comply with them

Learning outcomes			
Learning outcomes	Study programme competences		
Conocer los mecanismos de recuperación y evaluación de información más usuales y su modo de aplicación	A6	B1	C1
	A10	B2	C2
	A19	B3	C3
	A20	B4	C4
	A22	B5	C5
		B6	C6
		B7	C7
		B8	C8
		B9	
		B10	
		B11	

Contents	
Topic	Sub-topic
1. Introducción a la recuperación de información y los SRI	1.1 Definiciones
2. Modelos de Recuperación de la Información	1.2 Sistemas de Recuperación de Información
3. Evaluación de la Recuperación de Información	
4. Casos prácticos de Recuperación de Información	2.1 Recuperación de información en web
Técnicas de navegación en Internet	2.2 Motores de búsqueda
	2.3 Robots
	3.1 Relevancia vs. Pertinencia
	3.2 Medidas tradicionales: precisión y exhaustividad
	3.3 Medidas alternativas

Planning				
Methodologies / tests	Competencies	Ordinary class hours	Student?s personal work hours	Total hours
ICT practicals	B11 C2	10	20	30
Mixed objective/subjective test	B7 C1	2	20	22
Supervised projects	A6 A10 A19 A20 A22 B1 B2 B3 B4 B5 B6 B8 B9 B10 C3 C4 C5 C6 C7 C8	5	45	50
Guest lecture / keynote speech	B7 C1	21	21	42
Personalized attention		6	0	6

(*)The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies



Methodologies	Description
ICT practicals	Búsqueda e análise de información. Uso de ferramentas informáticas para a validación dos contidos expostos nas sesións maxistras
Mixed objective/subjective test	Realizarase un examen que poderá incluír preguntas tipo test e preguntas de desenvolvemento breve, co obxectivo de comprobar que o alumno asimilou os conceptos correctamente. O examen tipo test compónse dun conxunto de preguntas con varias respostas posibles, das que só unha é correcta. As preguntas non contestadas non puntuán, e as contestadas erróneamente puntuán negativamente.
Supervised projects	Traballos nos que o alumno, a proposta propia ou do profesor, profundizará nalgún dos aspectos vistos na materia. Os traballos serán expostos ó resto de alumnos e o seu contido formará parte do material a avaliar na materia.
Guest lecture / keynote speech	Clases impartidas polo profesor mediante a proxección de transparencias. As clases explicarán os conceptos teóricos da materia, intentando o uso de exemplos sinxelos e casos de estudo. As transparencias e o resto de materiais empregados estarán dispoñibles a través da Web de docencia da universidade.

Personalized attention

Methodologies	Description
ICT practicals Supervised projects	Realizaranse varias sesións para explicar aspectos específicos ás prácticas e/ou traballos tutelados.

Assessment

Methodologies	Competencies	Description	Qualification
Guest lecture / keynote speech	B7 C1	Participación ACTIVA na clase	10
ICT practicals	B11 C2	Desenvolvemento de exercicios e/ou tarefas nas clases interactivas	20
Mixed objective/subjective test	B7 C1	Examen tipo test e/ou preguntas breves	40
Supervised projects	A6 A10 A19 A20 A22 B1 B2 B3 B4 B5 B6 B8 B9 B10 C3 C4 C5 C6 C7 C8	Evaluación do traballo realizado, incluíndo a exposición do mesmo ó resto de alumnos	30
Others			

Assessment comments

Para superar a materia, o alumno deberá obter unha calificación mínima de 5 sobre 10 no resultado de combinar as calificacións da proba obxectiva e as prácticas de laboratorio. Para poder facer a media entre as dúas notas o alumno deberá obter unha nota mínima de 3,5 na proba obxectiva. Se non obtén esta nota mínima, a nota da materia será a correspondente a nota da proba obxectiva.

Estudantes con matrícula a tempo parcial e dispensa académica:

Indicar o profesor a situación de este tipo de estudantes. A entrega dos traballos ten que realizarse nada datas establecidas para tódolos estudantes. Segunda oportunidade e Convocatoria adelantada:

O estudante ten que facer o exame da proba obxectiva nestas convocatorias, sendo os criterios para obter a nota total os indicados ó principio deste apartado. Poderá entregar o traballo tutelado, o entregara o non con anterioridades, e a nota do traballo entregado substituirá a que teña previamente neste apartado. En canto a nota obtida nos traballos na clase manterase, non podendo recuperar esta parte da nota que se corresponde co traballo feito nas clases.

Plaxio:

En calquera entrega na que se detecte plaxio, a entrega será valorada cun cero. O plaxio na proba obxectiva será sancionado dacordo coa normativa vixente da universidade

Sources of information



Basic	<p>Baeza-Yates, Ricardo; Ribeiro-Neto, Berthier: Modern Information Retrieval. New York : ACM;Harlow, Essex: Addison-Wesley Longman, 1999.Singhal, Amit (2001). «Modern Information Retrieval: A Brief Overview». Bulletin of the IEEE Computer Society Technical Committee on Data Engineering 24 (4): 35-43.Raquel Gómez Díaz. La evaluación en recuperación de la información [en línea]. "Hipertext.net", núm. 1, 2003.</p> <p>&lt;http://www.hipertext.net&gt;;C.A. Hert. Understading information retrieval interaction: theoretical and practical implications. Greenwich: Ablex Publishing Corporation, 1997.F. J. Martínez. Recuperación de Información: Modelos, sistemas y evaluación. 2011. &lt;http://http://eprints.rclis.org/16262/&gt;</p>
Complementary	

Recommendations

Subjects that it is recommended to have taken before

Subjects that are recommended to be taken simultaneously

Subjects that continue the syllabus

Other comments

(*)The teaching guide is the document in which the URV publishes the information about all its courses. It is a public document and cannot be modified. Only in exceptional cases can it be revised by the competent agent or duly revised so that it is in line with current legislation.