

Syllabus

Descrizione corso

Titolo insegnamento	Tecniche di gestione dei dati e dei sistemi informativi
Codice insegnamento	27269
Titolo aggiuntivo	
Settore Scientifico-Disciplinare	ING-INF/05
Lingua	Inglese
Corso di Studio	Corso di laurea in Economia, Politica ed Etica
Altri Corsi di Studio (mutuati)	
Docenti	
Assistente	
Semestre	Secondo semestre
Anno/i di corso	1
CFU	2
Ore didattica frontale	20 (tba)
Ore di laboratorio	20 (tba)
Ore di studio individuale	-
Ore di ricevimento previste	6
Sintesi contenuti	The course introduces the fundamental concepts of data management and information systems, with a focus on applications in the business context. Students will learn the basics of data organisation and storage, the structure of relational databases and the functioning of business information systems. Practical tools for data management and analysis will also be presented, including spreadsheets, database query languages (SQL), and software for data visualisation and management.
Argomenti dell'insegnamento	File handling, basic computer usage, Windows, computer networks and security requirements, data management, information systems Microsoft Excel, graphs, formulas, functions, data management in Excel

	Microsoft Access basic, querying a database.
Parole chiave	tbd
Prerequisiti	English understanding and reading at level B2. Basic computer usage, in particular Microsoft Windows and file handling.
Insegnamenti propedeutici	tbd
Modalità di insegnamento	Front-of-class teaching in standard classroom, Front-of-class teaching in computer lab with examples and exercises assigned in class, interactive exercises in standard classroom and in computer room held by teaching assistant.
Obbligo di frequenza	Suggested, but not required; for non-attending students additional study material will be provided on the course's website on OLE
Obiettivi formativi specifici e risultati di apprendimento attesi	
Obiettivi formativi specifici e risultati di apprendimento attesi (ulteriori info.)	tbd
Modalità di esame	<p>Written test to assess knowledge on theoretical concepts (basic computer usage, computer networks and security requirements etc.).</p> <p>Practical assessment to test data organization, handling and modification through Excel.</p> <p>Practical assessment to test data extraction and handling ability on Access.</p> <p>The possibility of having mid-terms on item 1 and 2 will be evaluated during the course.</p>
Criteri di valutazione	<p>Grade is the weighted average of assessment 1 (30%), assessment 2 (50%), assessment 3 (20%). File handling and severe basic computer errors count negatively on the final grade.</p> <p>Particular emphasis is given to solutions which are optimal, efficient and extensible.</p> <p>No differences in the assessment between attending and non-attending students.</p>
Bibliografia obbligatoria	tbd

Bibliografia facoltativa	tbd
Altre informazioni	
Obiettivi di Sviluppo Sostenibile (SDGs)	