

# **Syllabus**

## Descrizione corso

Titolo insegnamento	Business Intelligence e visualizzazione dei dati
Codice insegnamento	25460
Titolo aggiuntivo	
Settore Scientifico- Disciplinare	SECS-P/07
Lingua	Inglese
Corso di Studio	Corso di laurea magistrale in Accounting e Finanza
Altri Corsi di Studio (mutuati)	
Docenti	prof. Nicola Dalla Via, Nicola.DallaVia@unibz.it https://www.unibz.it/en/faculties/economics- management/academic-staff/person/41428
Assistente	
Semestre	Secondo semestre
Anno/i di corso	2
CFU	6
Ore didattica frontale	36
Ore di laboratorio	-
Ore di studio individuale	-
Ore di ricevimento previste	18
Sintesi contenuti	The course offers a balanced introduction to the principles and practice of business data analysis and visual storytelling. Students gain hands-on experience with Excel and Tableau to collect, prepare, and explore data, applying descriptive, predictive, and prescriptive analytics in business contexts. By combining conceptual foundations with technical training and visualization best practices, the course equips students to design interactive dashboards and reports that effectively support decision-making and performance management.



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- Explore various data visualization techniques and best practices for conveying information accurately and persuasively
- Apply the appropriate problem solving, computational and communication skills essential to the preparation and analysis of managerial reports.

### Knowledge and understanding:

- Understand how companies generate, manage, and analyse internal financial and non-financial information using BI systems
- Describe the main tools and technologies used in data analysis and visualization
- Describe the different types of accounting data analytics: descriptive, predictive, and prescriptive

#### Applying knowledge and understanding:

- Apply analytics models in several business settings
- Apply data cleaning and preprocessing techniques to solve specific problems
- Ability to integrate financial information with non-financial information to effectively support managerial decision-making
- Utilize Business Intelligence software to create interactive dashboards and informative reports from complex accounting datasets

#### Making judgments:

- Ability to search for, evaluate and suggest appropriate analytical frameworks to diagnose and solve multifaceted managerial problems
- Ability to analyse complex business settings and apply appropriate problem solving, computational and communication skills
- Critically evaluate data visualization strategies and techniques used to communicate complex information

#### Learning skills:

- Ability to prepare a managerial report to communicate the results of a data analysis and effectively present results and insights through compelling and interactive visual narratives
- Design and develop customized Business Intelligence solutions to meet specific business needs, integrating data from various

Modalità di esame	<ul> <li>Provide relevant information for decision-making, as well as solutions in response to specific issues related to the measurement and management of corporate and managerial performance</li> <li>For students that actively engage in course activities, the course evaluation is based on a combination of:</li> <li>Optional Midterm</li> <li>Assignments</li> <li>Final Exam: combination of multiple choice and essay questions</li> </ul>
	These assessments are intended to gauge how well students understand the material covered throughout the course (comprehension) and the interconnections (integration) among various topics.
Criteri di valutazione	<ul> <li>Non-attending students:</li> <li>Final Exam (combination of multiple choice and essay questions): 100%</li> <li>Attending students that actively engage in course activities can combine:</li> <li>Optional Midterm</li> <li>Assignments</li> <li>Final Exam (combination of multiple choice and essay questions)</li> <li>Students must pass the Final Exam to have a passing grade in the course. The grade of the optional Midterm and of the Assignments are valid for one academic year.</li> </ul>
Bibliografia obbligatoria	The detailed list of required course readings and learning material is announced by the beginning of the course (see the OLE platform).
Bibliografia facoltativa	
Altre informazioni	
Obiettivi di Sviluppo Sostenibile (SDGs)	Buona occupazione e crescita economica, Istruzione di qualità