Syllabus
Course description

Course title	Information systems and data management
Course code	30104
Scientific sector	ING-INF/05
Degree	Tourism, Sport and Event Management
Semester and academic year	1st Semester, 2018/2019
Year	1st year
Credits	6
Modular	No

Total lecturing hours	36
Total lab hours	-
Total exercise hours	-
Attendance	suggested, but not required
Prerequisites	not foreseen
Course page	https://www.unibz.it/en/faculties/economics-management/bachelor-tourism-sport-event-management/course-offering/?academicYear=2018

Specific educational objectives	The course is designed to acquire further computer skills. In particular, the course will raise average skills in basic computers and network usage as well as in data organization and management.

Lecturer	Brutti Alessio, E-Mail: ABrutti@unibz.it, Bruneck- Brunico Campus, 1st floor – Professors room 1.09; https://www.unibz.it/it/faculties/economics-management/academic-staff/person/14219-alessio-brutti
Scientific sector of the lecturer	ING-INF/05
Teaching language	English
Office hours	https://www.unibz.it/en/timetable/
Lecturing assistant	-
Teaching assistant	-
Office hours	-
List of topics covered	Basics of computers and networks Storage and back up Security, encryption, legal obligations Enterprise Resource Planning Business Processes Data analysis in Excel Relational databases Access and SQL
Teaching format	Frontal lectures with examples and interactive exercises.

	Practical examples, students follow with their own laptops.

Learning outcomes	**Knowledge and understanding:**
	- Knowledge and understanding of the basics of Business Information Systems
	- Knowledge and understanding of main threats, security, encryption and legal obligations
	- Knowledge and understanding of E-Commerce and E-Business.
	- Knowledge and understanding of Information Systems and Enterprise Resource Planning.
	- Knowledge and understanding of Business Process Management and Business Process Modelling.
	- Knowledge and understanding of Data Management and Entity Relationship Modelling.
	- Knowledge of software tools for database handling.
	Applying knowledge and understanding:
	- Understanding of firms' information systems as an important data source for evidence-based management.
	- Understanding of how an information system works, and how it should be set up and managed, considering both the technological and the organizational features.
	- Ability in data organization through relational databases
	- Ability in data extraction and management with a database management program
	- Ability of data analysis and reporting with spreadsheets.
	Making judgments
	- Ability to select the proper tools to handle data in terms of security and efficiency
	Communication skills
	- Ability of creating report with data analysis to support strategical decision
	- Ability to solve and discuss ICT management related problems
	Learning skills
	- Developing skills to interpret and evaluate ICT and real life situations as to continue learning with high autonomy

Assessment	The course assessment consists in a written exam (multiple-choice questions and open questions on relational databases) and a practical exercise. These two parts are taken in the same day, students may be split in groups depending on the room size. A Mid-term will be offered, covering the first part of the program, as alternative to the multiple-choice questions. Those students with a sufficient mark in the mid-term can skip the related part in the final exam. Mid-term tests are valid for 1 academic year and cannot be carried over beyond that time-frame. The same assessment procedure applies to attending and non-attending students. Non-attending students can find any information about when and how the mid-term is given in the slides and in the reserve collections.
Assessment language	English
Evaluation criteria and criteria for awarding marks	Criteria for the evaluation of the exam: correctness, clarity of answers, efficiency of solutions. The final score is the weighted average of the written (60%) and practical (40%) parts. The mid-term counts as 50% of the written part.

Required readings	Course books: - "Basics Information System book"(http://www.paolocoletti.it/books/basicinformationsystems.pdf); - "Database course book" (http://www.paolocoletti.it/books/databases.pdf); - "Exercise book"; Slides and handouts (available at the beginning of the course)
Supplementary readings	