Course title	Code No.
Management Information Systems	

Semester	Course status (mandatory or optional)
I.	**Mandatory**

Lecturer(s)	E-Mail
Dino Zupanovic	**dino.zupanovic@unizd.hr**

Contact hours per week	Credit Points	Workload (hours per semester)		
			Presence	**Self-study**
2+1	**5**	**Lecture**	**30**	**45**
		Seminar	**15**	**45**
		Practice		
		Laboratory		

Media	Teaching aids
White board, overhead projector	**Lectures and individual and or small group (up to two students per group) seminar assignments and presentations**

Enrolment requirements and entry competences required for the course

Ground knowledge (passed course) in computer science

Conditions for permission to take the exam

Completed seminar

Assessment methods and criteria

Assessment is carried out by means of evaluation of:
Seminar paper and presentation (50%)
Written exam (50%)

Grades:
Insufficient 0-50%
Sufficient 51%-69%
Good 70%-79%
Very good 80%-89%
Excellent 90%-100%

Learning outcomes at the programme level to which the course contributes

| 1. To evaluate and use the maritime transport data as a fundament for decision making |
| 2. To understand the IT elements and apply IT based solutions in management |
| 3. To be able to communicate effectively in a multi-cultural environment |

Learning Outcomes

Professional competence	Key skills
1. Explain why information systems are essential to business 2. Describe how computers process data into useful information for problem solving and decision making 3. Identify the functions of different types of information systems in business 4. Explain what makes an information system a strategic information system 5. Identify fundamental requirements for developing strategic information systems 6. Identify various business functions and the role of ISs in these functions 7. Explain supply chains and how information technology supports management of supply chains 8. List and explain the phases in decision making 9. Differentiate structured and unstructured decision making 10. Explain the concepts of data mining and online analytical processing 11. Describe the primary goals of information security **Name the main types of risks to information systems**	1. Communication in foreign languages 2. Mathematical competence and basic competences in science and technology 3. Digital competence 4. Learning to learn 5. Sense of initiative and entrepreneurship

Applicability in other courses/programs

This module Is suitable for study programs Involved with and related to use of Information systems for management purposes.

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Content

1. **The Information Age**
    1. Business Information Systems – Overview
    2. Strategic Uses of Information Systems
    3. Business Functions and Supply Chains
2. **Information Technology**
    1. Business Hardware
    2. Business Software
    3. Business Networks and Telecommunications
    4. Databases and Data Warehouses
3. **Web-Enabled Commerce**
    1. The Web-Enabled Enterprise
    2. Challenges of Global Information Systems
4. **Decision Support and Business Intelligence**
    1. Decision Support and Expert Systems
    2. Business Intelligence and Knowledge Management
5. **Planning, Acquisition and Controls**
    1. Systems Planning and Development
    2. Choices in Systems Acquisition
    3. Risks, Security and Disaster Recovery

Literature

Amendment Log

Version No.:	Date:	Changes:	Name:
1	2020-01-30	Initial version	Dino Zupanovic
2	2022-04-20	ECTS update	Dino Zupanovic