

Medicinski fakultet u Rijeci

**IZVEDBENI NASTAVNI PLAN  
2021/2022**

Za kolegij

**Introduction to Robotics**

Studij:	<b>Medical Studies in English (R)</b> (izborni) Sveučilišni integrirani prijediplomski i diplomski studij
Katedra:	<b>Centar za biomodeliranje i inovacije u medicini</b>
Nositelj kolegija:	<b>izv. prof. dr. sc. Maričić Sven</b>
Godina studija:	<b>1</b>
ECTS:	<b>1.5</b>
Stimulativni ECTS:	<b>0 (0.00%)</b>
Strani jezik:	<b>Mogućnost izvođenja na stranom jeziku</b>

## **Podaci o kolegiju:**

Elements of the robotic system. The fundamental laws of robotics. Historical development of technology. The application of robots in biomedicine. Robotic system – planning and production, management. Planning and working with the robotic system. Getting to know the concepts of bionics and cybernetics. Structures and their implementation. Getting to know the functional model.

## **Popis obvezne ispitne literature:**

- Lynch M. K., Park C. F.: Modern Robotics: Mechanics, Planning, and Control, ISBN: 978-1107156302
- Simpson, D., C.: Introduction to Robotics, Santers R. (Editor), Logic Design Publishing, ISBN: 978-0968686027
- Niku, S., B.: Introduction to Robotics: Analysis, Control, Applications, John Wiley&Sons, ISBN: 978-0470604465

## **Popis dopunske literature:**

Winfield, A.: Robotics: A Very Short Introduction, Oxford University Press, ISBN: 978-0199695980

## **Nastavni plan:**

### **Obveze studenata:**

Regular attendance at classes, writing a seminar paper.

### **Ispit (način polaganja ispita, opis pisanog/usmenog/praktičnog dijela ispita, način bodovanja, kriterij ocjenjivanja):**

### **Ostale napomene (vezane uz kolegij) važne za studente:**

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## **SATNICA IZVOĐENJA NASTAVE 2021/2022**

Introduction to Robotics

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### **Popis predavanja, seminara i vježbi:**

### **ISPITNI TERMINI (završni ispit):**

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