



SVEUČILIŠTE U SPLITU  
MEDICINSKI FAKULTET

## PLAN OF THE COURSE DIAGNOSTIC AND INTERVENTIONAL RADIOLOGY

*Academic year 2021/2022  
October 25 -November 19, 2021.*

COURSE COORDINATOR:  
Sanja Lovric Kojundzic

### I. LIST OF LECTURERS AND TEACHING STAFF:

			e-mail	Phone
1.	Igor Barišić	prof. dr. sc.	igorbarisic@net.hr	557-388
2.	Marina Maras-Šimunić	prof. dr. sc.	marina.marass@gmail.com	557-388
3.	Zoran Rumboldt	prof. dr. sc.	rumbolz@mussc.edu	095-582-3105
4.	Tade Tadić	doc. dr. sc.	tade.tadic@st.htnet.hr	556-237
5.	Krešimir Dolić	doc. dr. sc.	kresimir.dolic@st.t-com.hr	556-540
6.	Sanja Lovrić Kojundžić	doc.dr. sc.	lovric.sanja@gmail.com	556-091
7.	Dragan Dragičević	dr.med.	dragandragicevic1@gmail.com	556-243
8.	Ana Čarić	dr. sc.	ana.caric@mefst.hr	556-091
9.	Danijela Budimir	dr. sc.	danijelabudimir@gmail.com	556-091
10.	Maja Marinović Guić	doc. dr. sc	maja.marinovic.guić@mefst.hr	556-247
11.	Ivana Štula	doc. dr. sc.	ivanast23@yahoo.com	556-243

## **II. COURSE AIMS**

To teach students basic physics algorithms and clinical application of imaging methods in modern diagnostic workup and interventional procedures.

## **III. COURSE STRUCTURE**

Lectures (L): 20 hours

Seminars (S): 12 hours

Practicals (P): 32 hours

Total: 64 hours

## **III. TEACHING VENUE**

**Lectures:** Large lecture hall Firule and amphitheater PAK

**Seminars:** Large lecture hall Firule, PAK Amphitheater, Seminar room 102 (Building B), Seminar room 104 (Building B)

**Practices:** Department of Diagnostic and Interventional Radiology University hospital Split (locality Firule and locality Križine).

## V. PLAN OF THE COURSE AND COURSE SCHEDULE

<i>MARK</i>	<i>LECTURE</i>	<i>LECTURER</i>	<i>Time (hours)</i>
L 1	Scope of Diagnostic Imaging The Physical Basics of Diagnostic Imaging	prof. dr. sc. Zoran Rumboldt	3
L 2	Imaging of the Brain and Spine	prof. dr. sc. Zoran Rumboldt	3
L 3	Imaging of the Heart and Great Vessels Interventional Radiology	doc. dr.sc. Ivana Štula dr. sc. Danijela Budimir Mršić	1 1
L 4	Radiology of the Chest	prof. dr. sc. Tade Tadić	3
L 5	Radiology of the Urinary Tract	doc. dr. sc. Krešimir Dolić	2
L 6	Musculoskeletal Imaging Imaging of the Joint	prof. dr. sc. Igor Barišić	3
L 7	Radiology of the Breast	prof. dr. sc. Tade Tadić	2
L 8	Gastrointestinal Tract Liver, Biliary Tract and Pancreas	prof. dr.sc. Marina Maras Šimunić	2

### Seminars and case base learning

<i>MARK</i>	<i>SEMINARS</i>	<i>LECTURER</i>	<i>Time (hours)</i>
S 1	Imaging of the Brain and Spine	prof. dr. sc. Zoran Rumboldt	3
S 2	Radiology of the Chest	prof. dr. sc. Tade Tadić	3
S 3	Musculoskeletal Imaging	prof. dr. sc. Igor Barišić	3
S 4	Plain film of the Abdomen Gastrointestinal Tract	prof. dr. sc. Marina Maras Šimunić	3

<i>MARK</i>	<i>PRACTICALS</i>	<i>LECTURERS AND TEACHING STAFF</i>	<i>Time (hours)</i>
P 1	Imaging of the Brain and Spine Radiology of the Head and Neck	prof. dr. sc. Zoran Rumboldt	4
P 2	Radiographic Anatomy	doc. dr. sc. Sanja Lovrić Kojundžić	4
P 3	Interventional Radiology	dr. sc. Danijela Budimir Mršić doc. dr. sc. Ivana Štula	4
P 4	Color Doppler US Imaging of Vessels	dr. Dragan Dragičević	4
P 5	Torax Breast Imaging	prof. dr. sc. Tade Tadić	4
P 6	Gastrointestinal Tract	dr. sc. Ana Čarić doc.dr.sc. Maja Marinović Guić	4
P 7	Radiology of the Urinary Tract	doc. dr. sc. Krešimir Dolić	4
P 8	Ultrasound of the Abdomen Musculoskeletal Ultrasound	prof. dr. sc. Igor Barišić	4

## **Week #1**

### **25. October 2021. (Monday)**

13:50 - 16:15 **Lecture:** L1 - prof. dr. sc. Z. Rumboldt (**Large lecture hall Firule**)

16:20 - 19:35 **Practice:** P1 (group 1) - prof. dr. sc. Z. Rumboldt (Department of Diagnostic and Interventional Radiology)

P2 (group 2) - doc. dr. sc. S. Lovrić Kojundžić (Department of Diagnostic and Interventional Radiology)

### **26. October 2021. (Tuesday)**

10.30 - 13:45 **Practice:** P2 (group 5) - doc. dr. sc. S. Lovrić Kojundžić (Department of Diagnostic and Interventional Radiology)

13:50 - 16:15 **Lecture:** L2 - prof. dr. sc. Z. Rumboldt (**Amphitheater PAK**)

16:20 - 19:35 **Practice:** P1 (group 2) - prof. dr. sc. Z. Rumboldt (Department of Diagnostic and Interventional Radiology)

P2 (group 1) - doc. dr. sc. S. Lovrić Kojundžić (Department of Diagnostic and Interventional Radiology)

### **27. October 2021. (Wednesday)**

13:50 - 16:15 **Seminars:** S1 (group 1) - prof. dr. sc. Z. Rumboldt (**Large lecture hall Firule**)

16:20 - 19:35 **Practice:** P1 (group 3) - prof. dr. sc. Z. Rumboldt (Department of Diagnostic and Interventional Radiology)

P2 (group 4) - doc. dr. sc. S. Lovrić Kojundžić (Department of Diagnostic and Interventional Radiology)

### **28. October 2021. (Thursday)**

13:50 - 16:15 **Seminars:** S1 (group 2) - prof. dr. sc. Z. Rumboldt (**Large lecture hall Firule**)

16:20 - 19:35 **Practice:** P1 (group 4) - prof. dr. sc. Z. Rumboldt (Department of Diagnostic and Interventional Radiology)

P2 (group 3) - doc. dr. sc. S. Lovrić Kojundžić (Department of Diagnostic and Interventional Radiology)

### **29. October 2021. (Friday)**

13:50 – 17:05 **Practice:** P1 (group 5) - prof. dr. sc. Z. Rumboldt (Department of Diagnostic and Interventional Radiology)

## Week #2

### 03. November 2021. (Wednesday)

13:50 - 15:25 **Lecture:** L3 – doc. dr. sc. Ivana Štula i dr. sc. Danijela Budimir (**Amphiteater PAK**)

15:30 - 18:45 **Practice:** P3 (group 1) - doc. dr. sc. Ivana Štula

P4 (group 2) - dr. D. Dragičević

P5 (group 3) - prof. dr. sc. T. Tadić

P6 (group 4) - dr. sc. A. Čarić

P7 (group 5) - doc. dr. sc. Krešimir Dolić

### 04. November 2021. (Thursday)

13:50 - 16:15 **Lecture:** L4 - doc. dr. sc. Tade Tadić (**Amphiteater PAK**)

16:20 - 19:35 **Practice:** Department of Diagnostic and Interventional Radiology:

P4 (group 1) - dr. D. Dragičević

P5 (group 2) - prof. dr. sc. T. Tadić

P6 (group 3) - dr. sc. A. Čarić

P7 (group 4) - doc. dr. sc. K. Dolić

P8 (group 5) - prof. dr. sc. I. Barišić

### 05. November 2021. (Friday)

13:50 - 15:25 **Lecture:** L5 - dr. sc. Krešimir Dolić (**Large lecture hall Firule**)

15:30 - 18:45 **Practice:** Department of Diagnostic and Interventional Radiology:

P3 (group 5) - doc. dr. sc. Ivana Štula

P5 (group 1) - prof. dr. sc. T. Tadić

P6 (group 2) - dr. sc. A. Čarić

P7 (group 3) - doc. dr. sc. K. Dolić

P8 (group 4) - prof. dr. sc. I. Barišić

## Week #3

### 08. November 2021. (Monday)

13:50 - 16:15 **Lecture:** L6 - prof. dr. sc. Igor Barišić (**Large lecture hall Firule**)

16:20 - 19:35 **Practice:** Department of Diagnostic and Interventional Radiology:

P3 (group 4) - dr. sc. D. Budimir Mršić  
P4 (group 5) - dr. D. Dragičević  
P6 (group 1) - doc. dr. sc. Maja Marinović Guić  
P7 (group 2) - doc. dr. sc. K. Dolić  
P8 (group 3) - prof. dr. sc. I. Barišić

**09. November 2021. (Tuesday)**

13:50 - 15:25 **Lecture:** L7 - doc. dr. sc. Tade Tadić (**Large lecture hall Firule**)

15:30 - 18:45 **Practice:** Department of Diagnostic and Interventional Radiology:

P3 (group 3) - dr. sc. D. Budimir Mršić

P4 (group 4) - dr. D. Dragičević

P5 (group 5) - prof. dr. sc. T. Tadić

P7 (group 1) - doc. dr. sc. K. Dolić

P8 (group 2) - prof. dr. sc. I. Barišić

**10. November 2021. (Wednesday)**

13:50 - 15:25 **Lecture:** L8 - prof. dr. sc. M. Maras-Šimunić (**Amphiteater PAK**)

15:30 - 18:45 **Practice:** Department of Diagnostic and Interventional Radiology:

P3 (group 2) - dr. sc. D. Budimir Mršić

P4 (group 3) - dr. D. Dragičević

P5 (group 4) - prof. dr. sc. T. Tadić

P6 (group 5) - doc. dr. sc. Maja Marinović Guić

P8 (group 1) - prof. dr. sc. I. Barišić

**11. November 2020.**

13:50 - 16:15 **Seminar:** S2 (group 1) - prof. dr. sc. T. Tadić (**Amphiteater PAK**)

**12. November 2020. (Thursday)**

13:50 - 16:15 **Seminar:** S2 (group 2) - prof. dr. sc. T. Tadić (**Amphiteater PAK**)



## **Week #4**

### **15. November 2021. (Monday)**

13:50 - 16:15 **Seminar:** S3 (group 1) - prof. dr. sc. I. Barišić (**Seminar room B 102/Building B**)

13:50 - 16:15 **Seminar:** S4 (group 2) - prof. dr. sc. M. Maras Šimunić (**Seminar room B 104/Building B**)

### **16. November 2021. (Tuesday)**

13:50 - 16:15 **Seminar:** S3 (group 2) - prof. dr. sc. I. Barišić (**Seminar room B 102/Building B**)

13:50 - 16:15 **Seminar:** S4 (group 1) - prof. dr. sc. M. Maras Šimunić (**Seminar room B 102/Building B**)

### **22. November 2021. (Monday)**

14:45 -17:05 **Written Exam**

### **23. November 2021. (Tuesday)**

13:50 -16:15 **Oral exam**

## V. Course Location:

Lectures and Seminars will be hold at main lecture hall at Clinical hospital Split, PAK and Department of Diagnostic and Interventional Radiology. Practicals will take part in the Department of Diagnostic and Interventional Radiology, Clinical Hospital Split (second floor).

*SEE DETAILS ABOVE*

## VI. EXAMINATION

The exam consists of a written test (80 questions) and an oral exam.

A minimum of 60% correct answers is required to pass the written test.

In oral exam students will be asked about the basic physics of conventional X rays, CT, MRI, US, contrast media and radiation protection. Also students need to understand imaging algorithms in various disorders, recognize basic pathology on conventional X-rays, recognize basic pathology on CT / MRI / US in various organ systems and demonstrate basic knowledge about image guided minimally invasive procedures.

The attendance is mandatory to all lectures, seminars and practicals. Students may be absent up to 10% of all teaching modalities.

## VII. LIST OF EXAMINERS

1. Prof. dr. sc. Igor Barišić
2. Prof. d. sc. Marina Maras Šimunić
3. Prof. dr. sc. Tade Tadić
4. Doc. dr.sc. Krešimir Dolić
5. Doc. dr. sc. Sanja Lovrić Kojundžić

## VIII. LITERATURE:

**Obligatory:** Basic Radiology, Second Edition (LANGE Clinical Medicine) by Michael Chen (Author), Thomas Pope (Author), David Ott (Author)

**Optional:** Learning Radiology: Recognizing the Basics (With STUDENT CONSULT Online Access), 2e, by William Herring MD (Author)