

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Sodobni kirurški postopki in specialna kirurška anatomija
Course title:	Modern Surgical Techniques and Applied Surgical Anatomy

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Biomedicinska tehnologija/Biomedical Technology 3. stopnja/3rd Degree		2	3 ali 4

Vrsta predmeta / Course type

Izbirni/Elective

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. Delo Individ. Work	ECTS
15	30				105	5

Nosilec predmeta / Lecturer:

Prof. dr. Vojko Flis

Jeziki /

Predavanja / Lectures:

Slovenščina / Slovene

Languages:

Vaje / Tutorial:

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Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:

Prerequisites:

Kandidat mora doseči 300 ECTS na predhodnem študiju.

Graduate degree 300 ECTS

Vsebina:

Content (Syllabus outline):

- Temeljni koncepti
- Osnovni metodološki pristopi
- Laparoskopska kirurgija
- Minimano invazivna kirurgija
- Endovaskularni posegi
- Mikrovaskularna kirurgija
- Posebna kirurška anatomija
- Glava in vrat
- Prsi koš
- Srce in velike žile
- Abdomen
- Okončine
- Anatomija ožilja
- Hrbtenica
- Sklepi
- Koža
- Anatomske variacije

- Background concepts
- Methodological approach
- Laparoscopic surgery
- Minimally invasive surgery
- Endovascular procedures
- Microvascular surgery
- Applied surgical anatomy
- Head and neck
- Thorax
- Heart and great vessels
- Abdomen
- Extremities
- Vascular anatomy
- Spine
- Joints
- Skin
- Anatomic variations

Temeljni literatura in viri / Readings:

Obvezna:

- Gadžijev E, Ravnik D. Atlas of applied liver anatomy. Springer. 1996.
- O'Leary JP, Tabuenca A. The Physiologic Basis of Surgery. Lippincott Williams & Wilkins, 4 edition. 2007.
- Pappas T et al. Atlas of Laparoscopic Surgery. Current Medicine Group; 3rd ed. 2007.
- Hallet J, Mils J. Comprehensive Vascular and Endovascular Surgery. Mosby. 2003.
- Skandalakis JE eds. Surgical Anatomy: The Embryologic And Anatomic Basis Of Modern Surgery , McGraw-Hill Professional Publishing, 2004.

Dodatna:

- Lasjaunias P, Berenstein A, brugge TA. Surgical Neuroangiography: Clinical Vascular Anatomy and Variations, 2nd Ed. Springer Verlag, 2001.
- Ross JE et al. Diagnostic and Surgical Imaging Anatomy: Brain, Head & Neck, Spine, 1st Ed. Hardcover, Amirsys Inc, 2006.
- Manaster BJ et al. Diagnostic and Surgical Imaging Anatomy: Musculoskeletal, International Edition, 1st Ed. Lippincott Williams & Wilkins, 2006.
- Masquelet AC. Atlas of Surgical Anatomy, Informa Healthcare, 2005.
- Federle PM et al. Diagnostic and Surgical Imaging Anatomy: Chest, Abdomen, Pelvis, International Edition, 1st Ed. Lippincott Williams & Wilkins, 2006.
- Bergman RA, Afifi KA, Miyauchi R. Human Anatomic Variation. Urban & Schwarzenberg, 1988.

Cilji in kompetence:

- Osvojitev temeljnih metodoloških in teoretičnih konceptov na področju sodobnih kirurških posegov
- Poznavanje in razumevanje temeljnih konceptov kirurških postopkov in posebne kirurške anatomije
- Seznanitev z metodami, uporabljanimi v sodobni klinični aplikaciji

Predvideni študijski rezultati:

Objectives and competences:

- Mastering the basic methodological and theoretical concepts in the field of modern surgical techniques
- Gaining and understanding the basic concepts of surgical procedures and special surgical anatomy
- Familiarity with methods used in modern clinical practice

Intended learning outcomes:

Znanje in razumevanje:

Praktično in teoretično znanje za samostojno raziskovalno delo.

Prenosljive/ključne spretnosti in drugi atributi:

Praktično znanje za vodenje raziskav.

Metode poučevanja in učenja:

Knowledge and understanding:

Practical knowledge needed for independent research work.

Transferable/Key Skills and other attributes:

Practical knowledge needed to organize research projects

Learning and teaching methods:

Delo v majhnih skupinah in v delavnicah

Working in small groups and workshops

Delež (v %) / Weight (in %)		
Načini ocenjevanja:	Assessment:	
– projektno delo	50	– project work
– seminarska naloga	50	– report