

First and last name and title of teacher	Associate professor, Nenad Karanović, MD, PhD
The course he/she teaches in the proposed study programme	Neuroscience in dental medicine
GENERAL INFORMATION ON COURSE TEACHER	
Address	Poljička 7, 21000 Split
Telephone number	+385 21 556 176; +385 91 51 77 880
E-mail address	nenad.karanovic@gmail.com
Personal web page	
Year of birth	1955
Scientist ID	275856
Research or art rank, and date of last rank appointment	Senior Research Associate, 13.12.2013.
Research-and-teaching, art-and-teaching or teaching rank, and date of last rank appointment	Associate professor, 17.11.2016.
Area and field of election into research or art rank	Biomedicine and health, field Clinical medical science
INFORMATION ON CURRENT EMPLOYMENT	
Institution where employed	University of Split School of Medicine, University Hospital Centre Split
Date of employment	25.12.1985.
Name of position (professor, researcher, associate teacher, etc.)	Professor
Field of research	Neuroscience, Anesthesia
Function	Deputy chairman of Department of Anesthesia and Intensive Medicine
INFORMATION ON EDUCATION – Highest degree earned	
Degree	PhD
Institution	University of Split School of Medicine
Place	Split
Date	25.03.2010.
INFORMATION ON ADDITIONAL TRAINING	
Year	2002.
Place	Milwaukee, Wisconsin, USA
Institution	Medical College of Wisconsin
Field of training	Respiration
Year	2003. -2007.
Place	Zagreb, Croatia
Institution	University Hospital "Dubrava"
Field of training	Cardiac anesthesia and intensive care
Year	2004.
Place	Budapest, Hungary
Institution	Semmelweis University
Field of training	Cardiovascular anesthesia and intensive care
Year	2008.
Place	Zürich, Switzerland
Institution	Triemli Hospital
Field of training	Cardiovascular anesthesia and intensive care
MOTHER TONGUE AND FOREIGN LANGUAGES	
Mother tongue	Croatian
Foreign language and command of foreign language on a scale from 2 (sufficient) to 5 (excellent)	English, 5
COMPETENCES FOR THE COURSE	
Earlier experience as course teacher of similar courses (name)	"Why and how we breath", elective subject, Integrated undergraduate and graduate study program in Medicine and

title of course, study programme where it is/was offered, and level of study programme)	Dental medicine
Authorship of university/faculty textbooks in the field of the course	<ol style="list-style-type: none"> 1. Karanović N. Circulation. In Simunovic VJ (editor) Basic and General Clinical Skills. Seattle (Wash.): CreateSpace 2013. ISBN-10: 1489556648. 2. Karanović N. Principles of patient care. In Simunovic VJ (editor) Basic and General Clinical Skills. Seattle (Wash.): CreateSpace 2013. ISBN-10: 1489556648. 3. Karanović N. Kardiopulmonalno oživljavanje. Osnovno održavanje života. U: Degoricija V, ur. Hitna medicina. Zagreb: Libar; 2013, str. 8-15. ISBN 978-953-7942-02-1. 4. Karanović N. Cardiopulmonary resuscitation. Basic life support. U: Degoricija V, ur. Emergency medicine. Zagreb: Libar; 2013, str. 5-11. ISBN 978-953-7942-01-4. 5. Karanović N. Resuscitation. Cardiopulmonary resuscitation. Basic life support. U: Degoricija V, ur. Emergency medicine. Zagreb: MMM marketing d.o.o.; 2011, str. 5-11. ISBN 978-953-56784-0-3 6. Karanović N. Opća anestezija. U: Bačić A, ur. Anesteziologija, intenzivno liječenje i reanimatologija. Split: Chrono; 2003, str. 27- 36. ISBN 953-99345-0-8 7. Karanović N. Inhalacijski anestetici. U: Bačić A, ur. Anesteziologija, intenzivno liječenje i reanimatologija. Split: Chrono; 2003, str. 37- 59. ISBN 953-99345-0-8 8. Karanović N. Anestezija u očnoj kirurgiji. U: Bačić A, ur. Anesteziologija, intenzivno liječenje i reanimatologija. Split: Chrono; 2003, str. 205 –215. ISBN 953-99345-0-8 9. Karanović N. Komplikacije u anesteziji. Poslijeoperacijska mučnina i povraćanje. U: Bačić A, ur. Anesteziologija, intenzivno liječenje i reanimatologija. Split: Chrono; 2003, str. 325 – 331. ISBN 953-99345-0-8 10. Karanović N. Utapanje i električni udar. U: Jukić M, Gašparović V, Husedžinović I, Majerić Kogler V, Perić M, Žunić J,ur. Intenzivna medicina. Zagreb: Medicinska naklada; 2008, str. 520-524. ISBN 978-953-176-373-8
Professional, scholarly and artistic articles published in the last five years in the field of the course (5 works at most)	<ol style="list-style-type: none"> 1: Cavar M, Ljubkovic M, Bulat C, Bakovic D, Fabijanac D, Kraljevic J, Karanovic N, Dujic Z, Lavie CJ, Wisloff U, Marinovic J. Trimetazidine does not alter metabolic substrate oxidation in cardiac mitochondria of target patient population. <i>Br J Pharmacol.</i> 2016;173:1529-40. doi: 10.1111/bph.13454. 2: Nieminen M, Dickstein K, Fonseca C, Serrano JM, Parissis J, Fedele F, Wikström G, Agostoni P, Atar S, Baholli L, Brito D, Colet JC, Édes I, Gómez J, Gorjup V, Garza EH, Juanatey J, Karanovic N, Karavidas A, Katsytadze I, Kivikko M, Matskeplishvili S, Merkely B, Morandi F, Novoa A, Oliva F, Ostadal P, Pereira-Barretto A, Pollesello P, Rüdiger A, Schwinger R, Wieser M, Yavelov I, Zymlinski R. The patient perspective: quality of life in heart failure with frequent hospitalisations. <i>Int J Cardiol</i> 2015; 191:256-64. doi: 10.1016/j.ijcard.2015 3: Toller W, Heringlake M, Guarracino F, Algotsson L, Alvarez J, Argyriadou H, Ben-Gal T, Černý V, Cholley B, Eremenko A, Guerrero-Oriach JL, Järvelä K, Karanovic N, Kivikko M, Lahtinen P, Lomivorotov V, Mehta RH, Mušič Š, Pollesello P, Rex S, Riha H, Rudiger A,

	<p>Salmenperä M, Szudi L, Tritapepe L, Wyncoll D, Öwall A. Preoperative and perioperative use of levosimendan in cardiac surgery: European expert opinion. <i>Int J Cardiol</i> 2015;184:323-336. doi: 10.1016/j.ijcard.2015.02.022.</p> <p>4: Ivancev B, Carev M, Pecotic R, Valic M, Pavlinac Dodig I, Karanovic N, Dogas Z. Remifentanil reversibly abolished phrenic long term facilitation in rats subjected to acute intermittent hypoxia. <i>J Physiol Pharmacol</i>. 2013 Aug;64(4):485-92.</p> <p>5: Marinov V, Valic M, Pecotic R, Karanovic N, Pavlinac Dodig I, Carev M, Valic Z, Dogas Z. Sevoflurane and isoflurane monoanesthesia abolished the phrenic long-term facilitation in rats. <i>Respir Physiol Neurobiol</i>. 2013 Dec 1;189(3):607-13. doi: 0.1016/j.resp.2013.07.026.</p>
Professional, science and artistic projects in the field of the course carried out in the last five years (5 at most)	<ol style="list-style-type: none"> 1. Central regulation of cardiovascular and breathing system – role of serotonin. (2008-2014) Croatian Ministry of Science, Sport and Education –assistant 2. Neural control of breathing during wakefulness and sleep (Leader of the project Zoran Đogaš, University of Split School of Medicine, (2008-2014) project Croatian Ministry of Science, Sport and Education 216-2163166-0513) – assistant 3. Translational research on neuroplasticity of breathing and effect of intermittent hypoxia in anesthesia and sleep, Zoran Đogaš, Zoran Đogaš, Croatian Science foundation 2014 - assistant
PRIZES AND AWARDS, STUDENT EVALUATION	
Prizes and awards for teaching and scholarly/artistic work	
Results of student evaluation taken in the last five years for the course that is comparable to the course described in the form (evaluation organizer, average grade, note on grading scale and course evaluated)	4,3