

List of Courses for Doctoral study Textile Science and Technology academic year 2021./2022.

Mandatory courses

Course	Teacher in charge	(%)	Hours	ECTS
1. Selected Topics in Mathematics	Krulić Himmelreich K. Rodić M.	50 50	30	4
2. Methods of Scientific Work	Dragčević Z. Bischof S.	50 50	15	2

Elective courses in the field of textile technology

Course	Teacher in charge	(%)	Hours	ECTS
1. Analytical Measurement System	Vojnović B.	100	15	2
2. Anthropometric Systems and Clothing Sizes	Ujević D.	100	30	4
3. Colour in design and management	Glogar. M.I.	100	30	4
4. Ecological Approach in Textile Care	Pušić T., Soljačić I.	50 50	30	4
5. Electromagnetic Waves in Textile Finishing	Bischof S.	100	30	4
6. Enzymes in Textile Finishing and Care	Soljačić I., Pušić T., Tarbuk A.	33 33 33	30	4
7. Working Processes Ergonomy of Clothing Technologies	Dragčević Z., Hursa Šajatović A.	50 50	30	4
8. Physico-chemical processes and effects of wet textile finishing	Soljačić I., Grancarić A.M., Tarbuk A.	33 33 33	30	4
9. Handling Functions in Clothing Technology	It is not performed in the academic year 2021/2022.	100	30	4
10. Industrial Engineering	Dragčević Z., Hursa Šajatović A.	50 50	30	4
11. Integrated Systems in Intelligent Clothing	Rogale D.	100	30	4
12. Garment Engineering Design	Geršak J.	100	30	4
13. Chemistry of Materials and Nanotechnology	Pavlović G.	100	30	4
14. Textile Wasterwater Chemistry	Vojnović B.	100	30	4
15. Chemical Modification of Cellulose Materials	Bischof S.	100	30	4
16. Air pollution control in textile production	Flinčec Grgac S.	100	30	4

17. Cooperative Environmental Management Systems	It is not performed in the academic year 2021/2022.	100	30	4
18. Mechanics of Fibrous Composites	Vujasinović E., Hui D.	90 10	30	4
19. Methods of computer-based 3D garment construction	Petrak S.	100	30	4
20. Measurement methods and analysis of process parameters	Rogale D.	100	30	4
21. Multifunctional dyes in application	Parac Osterman Đ. Sutlović A.	50 50	30	4
22. Nanostructures	Lelas K.	100	30	4
23. New Dyes and Advanced Technologies in the 21st Century	Sutlović A.	100	30	4
24. New sizing procedures	Kovačević S., Schwarz I.	80 20	30	4
25. Numerical Methods in Textile Engineering	It is not performed in the academic year 2021/2022.	100	30	4
26. Clothing Artifact - Methods of Analysis and Attribution	Simončić K.N.	100	30	4
27. Application of Low temperature Plasmas in Textile Treatment	Ercegović Ražić S., Milošević S.	70 30	30	4
28. Process Parameters of Knitwear Production	V.M. Potočić Matković	100	30	4
29. Design of Spun Yarn Structures	Skenderi Z.	100	30	4
30. Design of Woven Fabrics Structures	Penava Ž.	100	30	4
31. Rheology	Mijović B.	100	30	4
32. Structure and Properties of Dyes	Racané L.	100	30	4
33. Structures and Properties of Nonwovens	Skenderi Z., Kopitar D.	80 20	30	4
34. Sophisticated approach to garment and footwear production	Ujević D.	100	30	4
35. Spectroscopic characterization of dyes and pigments	Racané L.	100	30	4
36. Contemporary Digital Printing	Majnarić I.	100	30	4
37. Technical Textiles in Separation Processes	Somogyi Škoc M.	100	30	4
38. Textile for ultraviolet radiation protection	Tomljenović A.	100	30	4
39. Theoretical analysis of knitted fabrics and knitting process	Potočić Matković V.M.	100	30	4
40. Theoretical Analyses in the Yarn Preparation Process and Fabric Production	Kovačević S.	100	30	4
41. Thermoinsulation properties of clothing	Firšt Rogale S.	100	30	4
42. Topological invariants in designing functional clothing	Bogović S.	100	30	4
43. Textile and Clothing Comfort and their Assessment	Ercegović Ražić S.	100	30	4
44. Control Systems with Micropneumatics	Čubrić G.	100	30	4

45. Biodegradable Fibres	Vujasinović E., R. Brunšek	10 90	30	4
46. Fibres in Forensic Science	Vujasinović E.	100	30	4

General elective course

Course	Teacher in charge	(%)	Hours	ECTS
1. Industrial Energetics	It is not performed in the academic year 2021/2022.	100	30	4
2. Intelligent Algorithms	Rolich T.	100	30	4
3. Creativity in Technology and Design	Salopek Čubrić I.	100	30	4
4. Statistica Methodology Design of Experiments	Rezić I.	100	30	4
5. Computer Graphics	Rolich T.	100	30	4
6. Computers in process control	It is not performed in the academic year 2021/2022.	100	30	4
7. Futures trading	Ujević D., Lazibat T.	70 30	30	4
8. Supramolecular chemistry and nanochemistry	Cetina M.	100	30	4
9. Intellectual Property Rights	It is not performed in the academic year 2021/2022.	100	30	4

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