**02 #Подаци о Катедрама Одсека за ТМП (наставници и сарадници)**

|  |
| --- |
| **Chair** |
| Chair of Final Wood Processing |
| **Head of Chair** |
| MSc Jelena Matić, associate professor |
| **Chair Development** |
| The Department final wood processing was established by the 1956 curriculum of the Wood-industrial Department. At that time, final wood processing (production of furniture and construction joinery) had just started with industrial production. Classes in the field of ​final wood processing took place through the following subjects: Woodworking - home and construction, Manufacture of special wood products, Carpentry and other structures made of wood.  In the 1960 statute two subjects in the narrow field of specialization in final wood processing were merged into a new subject - Final mechanical wood processing and the subject Carpentry and other structures made of wood changed its name to Wooden constructions and joinery. In 1962, the name of the subject Wooden constructions and joinery was changed to Constructions of wood products, and in 1966 the same number of subjects remained at the Chair of final wood processing.  In 1973, according to the Statute, all departments became institutes and the name of the Department was changed to the Institute for wood processing. This time two new subjects were introduced to the narrow area of ​​expertise in final wood processing: Wooden constructions and Surface wood treatment. The new Chair of design of final products was established. The following subjects remained at the Chair of final wood processing: Final wood processing, Surface treatment of wood, Mechanical engineering with industrial energetics, Internal transport, Machines and tools in wood processing. In the 1987 Statute of the Faculty, two new subjects were introduced to the Chair of Final wood processing: Technical Physics and Elements of regulatory techniques.  This state of affairs at the Chair of final wood processing remained until 2002, when the Department abolished the Chair of final wood products design, but also established a new one - the Chair of machines and apparatuses in wood processing. For the first time, elective subjects were introduced to the curriculum. Most of the subjects were from the narrow field of specialization: Final wood processing, Surface treatment of wood and Constructions of wood products as compulsory subjects and Design, Furniture Design, Organization of space, Interior design and Upholstered furniture as elective subjects. In addition, the Chair also included the preparatory subject Descriptive Geometry. Since 2006, the following elective subjects were added to the Department of final wood processing: Adhesion in final wood processing, Wood in construction, Engineering Graphics and Introduction to methodical design.  In the academic year 2007/2008 began the first a master's degree program at the Wood processing department and the Chair of final wood processing consisted of two modules: Modeling of wood products within the module Technologies of wood processing sub-module - Final wood processing. The following subjects are taught within the module Modeling of wood products: Modeling of wood products, Interior furnishing, Wood constructions in interior, Assurance of the quality of final products and History of furniture design The following subjects are taught within the sub-module Final wood processing: Technology of wood products in construction and wooden accessories, Surface treatment of exterior wood, Interior wood constructions, Assurance of the quality of final products and Automation of the varnishing process.  Since 2010, the name of the subject Descriptive geometry has been changed to Applied engineering graphics, and the elective subject Engineering Graphics was abolished. An independent module Technologies of wood processing – Final wood processing is introduced to master studies.  Since 2014, the subject Applied engineering graphics was once again named Descriptive geometry with technical drawing, and the number of lessons is increased, as well as for the subject Constructions of furniture and wood products. The subject Design of furniture and wood products transforms from an elective to a compulsory subject. The elective subject Engineering Graphics was reintroduced, the subject Introduction to methodical design was replaced by the subject Design of interior elements and the following new elective subjects appeared in the curriculum: Technologies of wooden houses production and Technologies of construction joinery production.  Former teachers and associates of the Chair:  Grad. eng. Branko Petričić, full prof.  Dr. Rade Zaplotnik, full prof.  Dr. Milan Potrebić, full prof.  Dr. Dušan Skakić, full prof.  Dr. Sokol Sokolović, full prof.  Dr. Srđan Žikić, associate prof.  Grad. eng. Aleksandar Janković, assistant prof.  MSc Borislav Jovanović, assistant prof.  Dr. Jelena Tomić-Maksić, assistant prof.  Grad. eng. Stevan Smiljanski, senior lecturer  MSc Ratko Marković, teaching assistant  Grad. eng. Almir Krdžović, junior teaching assistant  MSc Rajka Živanović, teaching assistant  Grad. eng. Miroslav Sekulić, junior teaching assistant  Grad. eng. Miljana Nikolić, teaching assistant  Grad. eng. Aleksandra Burda, teaching assistant  Grad. eng. Tomislav Matić, senior professional associate  MSc Strahinja Lubardić, professional associate |
| **Chair members** |
| **Teaching staff**   1. Dr. Milan Jaić, full prof. 2. Dr. Biserka Nestorović, associate prof. 3. MSc Jelena Matić, associate prof. 4. Dr. Igor Džinčić, associate prof. 5. Dr. Gordana Đukanović, assistant professor 6. Dr. Tanja Palija, assistant professor 7. Grad. eng. Vojislav Dacić, teaching associate   **Non-teaching staff**   1. Grad. eng. Želimir Marković, professional associate 2. Slobodan Oreščanin, laboratory technician |
| **Chair subjects** |
| **Undergraduate studies**  *Compulsory subjects*   1. Descriptive geometry with technical drawing 2. Wooden constructions 3. Furniture and wood products constructions 4. Design of furniture and wood products 5. Final wood processing 6. Surface treatment of wood   *Elective subjects*   1. Upholstered furniture 2. Interior design 3. Organization of space 4. Design of elements for interior furnishing 5. Design 6. Introduction to methodical design 7. Engineering graphics 8. Wood in construction 9. Adhesion in final wood processing 10. Technologies of construction joinery production 11. Technologies of wooden houses production   **Master studies**   1. Surface treatment of wood in exterior 2. Automation of the varnishing process 3. Wooden interior constructions 4. Assurance of final products quality 5. Interior furnishing 6. Modeling of wood products 7. History of furniture design 8. Technology of wood products in construction   **Doctoral studies**   1. Surface treatment of final wood products 2. Furniture and wood products production 3. Furniture restoration 4. Furniture and wood products |
| **Selected student papers / final papers/ master papers / dissertations/ field training** |
| Doctoral dissertations:  2016 – Jovan Dobić: „Mogućnost poboljšanja adhezije UV akrilnog premaza na podlozi od termotretiranog drveta bukve”.  2015 – Tanja Palija: „Uticaj polielektrolita na interakciju drveta i vodorazredivih premaza”.  2011 – Igor Džinčić: „Teorijska analiza i eksperimentalna provera faktora koji utiču na čvrstoću stolica”.  2010 – Biserka Nestorović: „Istraživanje i analiza čvrstoće nameštaja za sedenje izrađenog od laminata na bazi drveta”.  1987 – Milan Jaić: „Svojstva ploča dobijenih kombinacijom iverja i vlakana sa posebnim osvrtom na kvalitet površine”.  1985 – Dušan Skakić: „Iskorišćenje bukove sirovine pri izradi elemenata za stolove i stolice”.  1975 – Milan Potrebić: „Uticaj nekih činilaca na dielektrična svojstva glavnih vrsta drveća i lepkova”.  Master of Science theses:  2012 – Anastasija Maneva: „Uticaj primenjenog sistema površinske obrade na kvalitet obrađene površine”.  2007 – Svetlana Janićijević: „Održavanje, zaštita i menjanje nameštaja i opreme u enterijerima hotela”.  2006 – Igor Džinčić: „Uticajni faktori na čvrstoću i trajnost stolica”.  2005 – Jevtić Petronije: „Površinska obrada masivnog drveta uljima i voskovima”.  2003 – Ružica Stojanović: „Uticaj vrste ispune od opružnog jezgra na elastičnost i trajnost sedišta fotelja i višeseda”.  2002 – Milan Đorđević: „Kvalitet površinske obrade drveta u zavisnosti od načina pripreme podloge i primenjenog sistema zaštite”.  1995 – Rajka Živanović „Istraživanje međusobnog odnosa poliuretanskih premaza i kvalitet obrađenih površina drveta”.  1988 – Biserka Nestorović: „Istraživanje naprezanja u konstrukciji stolica”.  1981 – Milan Jaić: „Određivanje maksimalno dopuštenih koncentracija para rastvarača u odeljenjima za površinsku obradu drveta”.  1978 – Dušan Skakić: „Optimalizacija programa proizvodnje stolova”.  1970 – Milan Potrebić: „Tolerancija spoja kao uticajni faktor na čvrstoću lepljene čepovne veze”.  Master’s theses:  2016 – Ines Bajić: „Tipologija kuhinja i njihova funkcionalna analiza u opremanju stambenih prostora”.  2015 – Predrag Rajković: „Uticaj tipa elementa veze na čvrstoću i krutost korpusnog nameštaja”.  2015 – Jelena Matić: „Savremeni mobilijar namenjen muzejskim postavkama, njegov razvoj i primena”.  2015 – Ema Stojković: „Drvo kao konstrukcijsko i kao izražajno sredstvo u scenografiji Darka Nedeljkovića”.  2015 – Aleksandra Burda: „Primena drveta u arhitektonskoj akustici”.  2014 – Jelena Radivojević: „Elementi oblikovanja kod dečjih krevetića koji utiču na bezbednost i obezbeđuju kvalitet proizvoda”.  2013 – Aleksandra Antonović: „Ulazna drvena vrata u savremenoj arhitekturi”.  2013– Aleksandra Šućur: „Analiza nekih faktora koji utiču na sjaj lakirane površine drveta”.  2013 – Jovana Jokić: „Ležaj u dečijim vrtićima ‒ razvoj i upotreba”.  2013 – Jelica Radenović: „Uticaj načina postavljanja poleđine na krutost i izdržljivost korpusnog nameštaja”.  2013 – Dejan Mitov: „Radionice sa upotrebom drveta i njihov uticaj na savremenu arhitektonsku praksu”.  2013 – Jelena Manojlović: „Značaj i primjena koncepta ‘familije’ u industriji namještaja”.  2013 – Jelena Vitas: „Drveni fasadni sistemi, njihova primena i zastupljenost u svetu i kod nas”.  2013 – Vanja Enbulajev: „Drvene stolice na rasklapanje ‒ upotreba i razvoj”.  2013 – Ivana Nikolić: „Primena drveta pri projektovanju energetski efikasnih objekata (gradnja u harmoniji sa prirodom)”.  2012 – Milica Dejanović: „Oblikovanje funkcionalnih elemenata krovnih drvenih struktura (lepljeno lamelirano drvo u arhitekturi)”.  2011 –.Luka Panić: „Projektovanje namještaja od masivnih ploča”.  2011 – Marija Resimić: „Primena i značaj ambalaže u industriji nameštaja”.  2010 – Marija Manojlović: „Klupe namenjene javnim prostorima u skladu sa principima održivog projektovanja”.  2010 – Nikola Petković: „Drvene zidne obloge, njihova primena i zastupljenost u svetu i kod nas”.  Graduation papers:  2015 – Dragan Krivokapić: „Razvoj multifunkcionalnog prozvoda GRID”.  2014 – Dejan Jaić: „Uticaj bajcovanja drveta trešnje Prunus Avium na adheziju premaza”.  2014 – Lucija Konjević: „Projektovanje nameštaja sa ekološkog aspekta”.  2014 – Emir Bećiragić: „Model predstavljanja mladih autora na sajmovima nameštaja na primeru talent zone Salone Satellite u Milanu”.  2014 – Marko Novković: „Izgradnja drvenih kuća framing sistema u Americi”.  2014 – Božidar Mitrović: „Upotreba lepljenog lameliranog drveta u građevinarstvu”.  2014 – Marina Nikolić: „Montažne kuće sa fazama izgradnje”.  2014 – Ana Pavlović: „Faze izrade montažne kuće sa pregledom utroška materijala”.  2014 – Danilo Marsenić: „Analiza postojećeg stanja i predlozi za racionalizaciju površinske obrade u preduzeću ‘Enterijer Janković’”.  2013 – Ana Marković: „Industrijski višefunkcionalni nameštaj za spavanje”.  2013 – Radmila Đukanović: „Površinska obrada drveta u eksterijeru”.  2013 – Ana Divac: „Organizacija dnevne zone u objektima stambene arhitekture u drugoj polovini dvadesetog veka”.  2013 – Marko Vasiljević: „Tipovi modernih kuća brvnara”.  2012– Milan Miščević: „Uticaj kvaliteta iveraste ploče i načina opterećenja na čvrstoću spoja tipl/rupa kod korpusnog nameštaja”.  2012 – Vladimir Mišić: „Čvrstoća spoja pomoću lamel pera kod korpusnog nameštaja”.  2011 – Marija Bjelaković: „Niski stolovi ‒ razvoj novog proizvoda ‘Flexy’”.  2011 – Stevan Mikić: „Komparativna analiza sistema krovnih konstrukcija sa aspekta utroška drvne građe”.  2011 – Nebojša Mijatović: „Ekološka površinska obrada drveta”.  2011 – Zoran Jaić: „Premazi u prahu”.  2010 – Bojana Marković: „Primena poliuretanskih premaza u površinskoj obradi drveta”.  2011 – Tamara Stanojević: „Primena vodenih premaza u površinskoj obradi drveta”.  2010 – Milica Nešovanović: „Nameštaj za odlaganje – razvoj novog proizvoda ‘Pisa Tower’”.    Final papers:  2015 – Marija Farago: „Izrada šablona za kopirnu glodalicu sa pokretnim radnim stolom”.  2014 – Nemanja Pantović: „Faze izgradnje montažnih kuća”.  2014 – Oksana Čolić: „Razvoj idejnog projekta ksiloteke”.  2014 – Milica Miljković: „Dinamičko sedenje na primerima radova Petera Opsvika”.  2014 – Uroš Tonić: „Drvene kuće sa rešetkastim krovnim nosačima”.  2013 – Velimir Đukić Lazović: „Tačnost rada četvorostrane rendisaljke u proizvodnji klasičnog parketa”.  2013 – Ines Bajić: „Projektovanje enterijera soba za decu predškolskog uzrasta i nižeg školskog uzrasta”.  2013 – Boriša Tepavčević: „Niko Kralj i značaj njegovog rada za jugoslovenski dizajn”.  2013 – Nemanja.Stojanović: „Nameštaj Gerita Ritvelda i njegov istorijski značaj”.  2013 – Predrag Rajković: „Uticaj vida naleganja i tačnosti izrade na čvrstoću spoja pomoću lamel pera kod korpusnog nameštaja”. |
| **Research/ Projects** |
| Central European Exchange Programme of University students and teachers: „CEEPUS III Project A.L.I.C.E. CIII-SI-0719-05-1617” (2013‒2016). Coordinator: Dr. Biserka Nestorović, associate prof. |
| **Centers/ Laboratories** |
| 1. INSTITUTE FOR FURNITURE QUALITY CONTROL   The Institute was founded in 1975 at the initiative of prof. Dr. Milan Potrebić. It was named the Laboratory for furniture quality control. Issuance of reports on the quality testing of furniture started in 1977 and lasts continuously until today.  Under the leadership of prof. Dr. Dušan Skakić since 2000, and with great commitment of the employees, the process of accreditation began in 2002. The laboratory changed its name to the Institute for furniture quality control. The Institute was accredited in 2003 as the first inspection agency at Belgrade University, by the Accreditation Body of Serbia (ATS), according to the international quality system and the SRPS ISO / IEC 17020: 2002 standard. Since then, the Institute has been issuing reports on furniture quality control.  Since 2009, the Institute has had state-of-the-art numerical equipment for furniture quality control. The purchase of new equipment increased the possibilities of controlling as well as the capacity of testing.  Since 2010, Head of the Institute has been Dr. Biserka Nestorović, Assistant Professor. The competence of the Institute for the implementation of new control methods according to EN standards was confirmed.  Compliance of the Institute for furniture quality control with standard accreditation was monitored by the Accreditation Body of Serbia with a total of sixteen successful supervisory assessments and three reaccreditations.   1. Activities and objectives of the INSTITUTE FOR FURNITURE QUALITY CONTROL:  −The control of quality and determination of quality compliance is performed according to Serbian (SRPS) and European (EN) standards and specific requirements. Over 90% of the accredited inspection methods of the Institute apply EN standards; − Improvement of final products of furniture industry and furniture parts; − Cooperation with furniture manufacturers at the stage of product development and quality control during the manufacturing process; − Inter-laboratory cooperation in the field of furniture quality control; − Continued participation of the Institute in adopting, drafting and amending EN standards with domestic and foreign institutions; − Application of scientific research work to improve ways of controlling of furniture, furniture parts and EN standards; − Cooperation with consumer associations; − Continuous education.  Institute staff (2016): Head of Institute: Dr. Biserka Nestorović, Assoc. prof. Deputy Head of Quality Control: Dr. Igor Džinčić, Assoc. prof. Technical manager: Eng. Predrag Stanković Tester: Eng. Slobodan Oreščanin.   01 06001 025  http://drvotehnika.info/media/images/clanci/2014-11-24/zavod-2.jpg   1. LABORATORY FOR SURFACE TREATMENT OF WOOD   The laboratory for surface treatment of was founded at the Faculty of Forestry in 1977, at the time when the subject Surface treatment of wood separated from the subject Final wood processing. At that time, the Laboratory had about 65 m2. It was disorganized and a part of the carpenter and sharpening workshop for tools "Kordun".  When a teaching assistant was elected for the subject Surface treatment of wood, the staff started to arrange the space and equipment. Thanks to the understanding of the director of the Institute for wood processing (Dr. Avdo Redžić) certain funds were invested in the equipping of this space, so that eight workplaces were created for the needs of laboratory exercises for students.  The laboratory owned a cabin with water purification for sample varnishing, equipment for coating application, hand grinders, a polisher, as well as instruments to determine the characteristics of the coating liquid at the applied and hardened phases.  At the beginning of the reconstruction of the space where the laboratory was located, and in order to build the amphitheater, the space of the laboratory was emptied. Part of the equipment was preserved, but most of the equipment (especially the cabin for varnishing and other large equipment) were given away. After the construction of the amphitheater the Laboratory was assigned a new space, which was much smaller than the previous one and largely inadequate, especially for work with students. However, even in such conditions its equipping and bringing into operation started.  In 2010, prof. Dr. Dušan Skakić used certain resources of the Institute for Furniture Quality Control to purchase modern equipment for testing the quality of painted surfaces (surface roughness determination, determination of dry film thickness of the coating with and without destruction, testing of the thickness of hardened film coating; determining of the gloss of lacquered surface; determining of a hardened coating adhesion). In 2013 the equipment was amended with the basic laboratory dishes, electromagnetic stirrer and a pH meter.  This acquisition of equipment significantly improved the potentials of the Laboratory for different kinds of testing, which are the basis of experimental work of students in the course of writing their final, master's and doctoral theses in the field of surface wood treatment. In addition, laboratory exercises in the subject Surface treatment of wood at the undergraduate level are performed in the laboratory.   |  |  |  | | --- | --- | --- | |  |  |  |   Laboratory staff (2016):  Dr. Milan Jaić and Dr. Tanja Palija   1. CENTER FOR ENGINEERING AND DESIGN OF INTERIOR AND FURNITURE   20  The center for engineering and design of interior and furniture was founded on 28th May 2004 within the Chair of final wood processing. The need for the establishment of the Center was created as a result of the fact that within the curriculum of the Department appeared the Educational stream of engineering of furniture and interiors, with a number of subjects from the narrow professional and artistic field, which were for the first time studied in that scope at the Faculty of Forestry. The following activities started in support of rapid and comprehensive development of new disciplines within the Centre for engineering and design of interior and furniture: Participation in scientific development, research and professional art projects;   * Providing opportunities to students to perform professional practice / internship; * The launch of internal competitions in association with companies for the best design solutions for furniture and other wood products, from which products that can be further developed and commercialized are created; * The development of partnership relations between the wood processing sector of the Republic of Serbia and Serbian cultural organizations; * Organizing of trade fairs and design events in order to promote the profession; * Vertical connecting of business entities in order to achieve greater finalization of timber raw material; * Development and promotion of competitiveness, productivity, innovation and new modern technologies in the wood processing of Serbia; * Organization of professional conferences, seminars, workshops in the professional artistic and scientific field of wood products modeling; * Education and training programs to meet the needs of the final wood industry sector of Serbia; * Establishment of a single database of literature, samples of materials and constructive solutions; * Provision of space and resources for professional, artistic and scientific research work of the teaching staff in subjects of the Chair of engineering and design of furniture and interior; * Create opportunities for the exchange of data with companies and similar centers in the country and abroad; * Establishment of a foundation for young talents which can help the best students of the department; * Provision of support to students in the development of their Bachelor's, Master of Science and Master's theses, as well as assistants and teachers in the creation of their professional and artistic papers and art pieces.   Center staff:  Managers: prof. Dr. Sokol Sokolović (2004-2008), MSc Jelena Matić (2009-present); Professional associates: MSc Jelena Matić (2004-2008), Miljana Nikolić (2011-2013), Aleksandra Burda (2013-2015). |