

Priloga 1 k Vlogi za akreditacijo krajšega izobraževanja in usposabljanja za pridobitev mikrodokazila – Učni načrt mikrodokazila
Enclosure 1 to the application for accreditation of short-term learning and training course
for the acquisition of micro-credentials – Micro-credential Syllabus

UČNI NAČRT MIKRODOKAZILA/MICRO-CREDENTIAL SYLLABUS

Naziv mikrodokazila:

Micro-credential title:

Urbana regeneracija
Urban Regeneration

Študijsko področje po KLASIUS P-16

Study field according to KLASIUS P-16:

073

Razvrstitev v SOK: *SQF Classification in*

Razvrstitev v EOVK: *QF-EHEA Classification*

Razvrstitev v EOK: *EQF Classification*

7

1 stopnja

6

Univerzitetna koda/University code:

Način izvedbe (klasično, hibridno, na daljavo)

Method of implementation (classic, hybrid, online)

klasično

classic

Predavanja <i>Lectures</i>	Seminar <i>Seminar</i>	Vaje <i>Tutorial</i>	Klinične vaje <i>Clinical work</i>	Druge oblike študija <i>Other forms of study</i>	Samostojno delo <i>Individual work</i>	ECTS
30		30			120	6

Nosilec predmeta/Lecturer:

(So)izvajalci/(Co)-Lecturers:

Prof. Dr. Andreja Kutnar

Prof. Dr. Bartosz Walczak

Prof. Dr. Anetta Kepczynska-Walczak

Dr. Magdalena Bednarkiewicz

Dr. Antonio Nevescanin

Jezik izvedbe

Language of instruction

Angleščina

English

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Maksimalno število udeležencev

Maximum number of participants:

15

Merila za izbor udeležencev v primeru večjega interesa od razpisanih mest:

Criteria for selecting participants in the event of greater interest than the number of places available:

Datum prijave

Date of application

Pogoji za vključitev:

Študenti in diplomanti arhitekture ali arhitekturnega inženirstva

Prerequisites:

Students or graduates of Architecture or Architecture Engineering

Vsebina:

Tekom izobraževanja se udeleženci seznajajo s prakso načrtovanja v degradiranih urbanih strukturah, s posebnim poudarkom na načelih revitalizacijskih dejavnosti v zgodovinskih območjih. Izobraževanje je sestavljeno iz dveh modulov:

1. Modul 1 (vaje)

- Predstavitev izhodiščnih gradiv in konteksta izbranih degradiranih zgodovinskih območij;
- Večplastna analiza primera iz resničnega življenja;
- Povzetek, zaključki in opredelitev problema.

2. Modul 2 (projekt)

Content (Syllabus outline):

During the course students are introduced to the practice of design in degraded urban structures, with particular emphasis on the principles of revitalization activities in historical areas. The course is composed of two Modules:

1. Module 1 (Tutorials)

- Presentation of the input materials and context of the selected degraded historical areas;
- Multi-faceted analysis of the real-life case;
- Summary, conclusions and problem definition.

2. Module 2 (Project)

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a. Oblikovanje projektnih smernic z upoštevanjem načel vala prenove; b. Iteracije načrtovalskih rešitev s posebnim poudarkom na trajnostnih in bio-osnovanih rešitvah ter razogljičenju grajenega okolja; c. Predstavitev končnih projektov prilagodljive ponovne uporabe degradiranih urbanih struktur.	a. Formulation of the project guidelines with reference to the principles of the renovation wave; b. Iterations of the design solutions with special emphasis on sustainable and bio-based solutions and decarbonization of the built environment; c. Presentation of final projects on adaptive reuse of degraded urban structures.
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Literatura in viri/Readings:

1. S. Stone, Undoing buildings: adaptive reuse and cultural memory, New York - London : Routledge, Taylor & Francis Group, 2020 (249p)
2. M.E. Leary, and J. McCarthy (eds) The Routledge companion to urban regeneration, London ; New York : Routledge, Taylor & Francis Group, 2013 (589p)
3. D. Berke, T. de Monchaux, Transform: promising places, second chances and the architecture of transformational change, New York: Monacelli Press, 2023 (237p)
4. K. Pålsson, Public spaces and urbanity: how to design humane cities, Berlin : DOM Publishers, 2017 (272 p)
5. S. Della Torre, S. Cattaneo, C. Lenzi, and A. Zanelli (eds) Regeneration of the Built Environment from a Circular Economy Perspective, Cham: Springer, 2020 (386p)
6. The Greenest Building: Quantifying the Environmental Value of Building Reuse, National Trust for Historic Preservation, 2011 (94p)
7. <https://www.decarbonizedesign.com/>

Druge pomembne sestavine (npr. licence, orodja, pripomočki ipd.):

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Other important components (e.g. licenses, tools, utilities, etc.):

/

Cilji in kompetence:

Sposobnost razumevanja potrebe po izvedbi regeneracijskih ukrepov v zgodovinskih območjih.

Sposobnost opredelitve posebnosti načrtovanja v degradiranih urbanih strukturah, ki odražajo načela prilagodljive ponovne uporabe in vala prenove.

Sposobnost kritične analize razmer in oblikovanja zaključkov za načrtovanje v zapletenem, interdisciplinarnem kontekstu.

Kompetence za razumevanje naprednih problemov, povezanih z arhitekturo in urbanističnim načrtovanjem, ki so uporabne pri načrtovanju arhitekturnih objektov in urbanih kompleksov v kontekstu družbenih, kulturnih, naravnih, zgodovinskih, ekonomskih, pravnih in drugih netehničnih pogojev inženirskih dejavnosti ter pri povezovanju teh znanj z bio-osnovanimi in naravi prijaznimi rešitvami.

Kompetence za uporabo analitičnih metod pri oblikovanju in reševanju projektnih nalog, predstavitvi teoretičnega ozadja in utemeljitvi ponujenih rešitev v obliki napredne grafične, pisne in ustne predstavitve.

Praktične veščine uporabe interdisciplinarnega znanja in spretnosti, s poudarkom na bio-osnovanih rešitvah in razogljičenju, za načrtovanje kompleksnega arhitekturnega objekta ali urbanega kompleksa, ki izpolnjuje estetske in tehnične zahteve, ustvarja in preoblikuje prostor ter mu daje nove trajnostne vrednosti.

Objectives and competences:

Ability to understand the need to take regeneration measures in historical areas.

Ability to define the specifics of design in degraded urban structures reflecting the principles of adaptive reuse and renovation wave.

Ability to make a critical analysis of the conditions and formulate conclusions for design in a complicated, interdisciplinary context.

Competence in understanding advanced problems related to architecture and urban planning useful for the design of architectural objects and urban complexes in the context of social, cultural, natural, historical, economic, legal and other non-technical conditions of engineering activities and in integrating it with knowledge on bio-based and nature-based solutions.

Competence in using analytical methods to formulate and solve project tasks, present the theoretical background and justification of the offered solutions in the form of advanced graphic, written and oral presentation.

Practical skills in using interdisciplinary knowledge and skills, with the emphasis on bio-based solutions and decarbonization, to design a complex architectural object or urban complex that meets the aesthetic and technical requirements, creating and transforming space and giving it new sustainable values.

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Predvideni učni izidi:

Znanje in razumevanje:
Poznavanje ponovne uporabe degradiranih urbanih struktur. Sposobnost za analizo, sintezo in predvidevanje rešitev ter njihovih posledic konkretnih problemov z uporabo znanstvenih metod.

Uporaba in refleksija:
Spoznavanje in razumevanje trajnostne prenove v urbanizmu, uglasenosti med teorijo in njeno aplikacijo na konkretnih primerih.
Avtonomnost, (samo)kritičnost, (samo)refleksivnost.
Prenos naučenih principov na načrtovanje obsežnih realnih sistemov. Sposobnost pridobivanja, selekcije in ocenjevanje novih informacij in zmnožnost ustrezne interpretacije v kontekstu.
Sposobnost za upravljanje s časom, za samo pripravo in načrtovanje ter samokontrolo izvajanja postopkov. Sposobnost timskega dela.

Intended learning outcomes:

Knowledge and understanding:
Expertise in adaptive reuse of degraded urban structures. The ability for analysis, synthesis and anticipation of solutions and their consequences for target problems using the scientific methodology.

Use and reflection:
Understanding and recognizing sustainable regeneration in urban planning, the harmony between theory and its application to concrete examples. Autonomy, (self)criticism, (self-reflection).
Transfer of learned principles to the design of large-scale real systems. Ability to acquire, select, and evaluate new information and the capacity for appropriate interpretation in context.
Ability to manage time, self-preparation and planning, and self-monitoring of process execution. The ability to work in a team

Metode učenja in poučevanja

Oblike dela:

- predavanja
- vaje
- samostojno delo

Metode dela:
razlaga, dialog, diskusija, problemsko učenje, študije primerov

Learning and teaching methods:

Forms of teaching:

- lectures
- exercises
- individual work

Teaching methods:
explanation, debates, discussion, problem-based learning, case studies

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Način preverjanja in ocenjevanja:

Type of examination and assessment:

Način (pisni izpit, ustni izpit, naloge, idr.)	Delež (v %): <i>Weight (in %)</i>	<i>Type (written exam, oral exam, assignments, etc.)</i>
Projektna naloga	100%	Project assignment

Pogoji za pridobitev mikrodokazila:

*Minimal standards for obtaining
micro-credential:*

Udeleženec mora obiskovati usposabljanje in oddati ustrezno projektno nalogo.	The participant must attend the training and submit the relevant project assignment.
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Reference nosilca/Lecturer's references:

SANDAK, Anna Malgorzata, SANDAK, Jakub Michal, BRZEZICKI, Marcin, KUTNAR, Andreja. Bio-based building skin. Singapore: Springer Open, cop. 2019. XV, 183 str., ilustr. Environmental footprints and eco-design of products and processes. ISBN 978-981-13-3746-8, ISBN 978-981-13-3747-5. ISSN 2345-7651. <https://rd.springer.com/content/pdf/10.1007%2F978-981-13-3747-5.pdf>, DOI: 10.1007/978-981-13-3747-5.

KUTNAR, Andreja, SANDAK, Anna Malgorzata, SANDAK, Jakub Michal. Sustainable architecture : reuse and recycling with biomaterials. Rassegna di architettura e urbanistica. sett.-dic. 2024, anno 59, n. 174, str. 112-118, ilustr. ISSN 0392-8608.

SANDAK, Anna Malgorzata, PRELOVŠEK NIEMELÄ, Eva, KUTNAR, Andreja. Role of New European Bauhaus in the transformation of timber architecture for a sustainable future. V: KALAMEES, Targo (ur.), JUST, Alar (ur.), TOMMINGAS, Anna (ur.). Proceedings : 5th International Conference Forum Wood Building Baltic 26-28 February 2024 Tallinn, Estonia. 5th International Conference Forum Wood Building Baltic 26-28 February 2024 Tallinn, Estonia. Tallinn: Tallinn University of Technology, 2024. Str. 12-13. ISBN 978-9916-80-117-8, ISBN 978-9916-80-118-5.
<https://drive.google.com/file/d/1nFjrzNYUuThCBF5IRhXITSmHRs03lclc/view>.

KUTNAR, Andreja, BURNARD, Michael David, SEMENYŠYN, Mar'jana, STEPANYUK, Yaryna. How can new approaches to sustainable construction change Ukraine's approach to recovery? = Jak novi pidhody do stalogo budivnytva možut' zabezpečyty efektyvne vidnovlennja Ukraïny?. Voks



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Ukrajina. 6 Nov. 2024. <https://voxukraine.org/en/how-can-new-approaches-to-sustainable-construction-change-ukraine-s-approach-to-recovery>, <https://voxukraine.org/yak-novi-pidhody-do-stalogo-budivnytstva-mozhut-zabezpechyty-efektyvne-vidnovlennya-ukrayiny>.