

nastavu.

Education.

PLAN I PROGRAM NASTAVE / COURSE SYLLABUS

Naziv predmeta: **ARHITEKTONSKO PROJEKTOVANJE 6 (objekti kulture i spektakla)**

Course title: **ARCHITECTURAL DESIGN 6 (building for culture and spectacle)**

Šifra predmeta / Course code	Status predmeta / Course type	Semestar / Semester	ECTS kredita / ECTS credits	Fond časova / Number of classes
8.4.	obavezan / required	VIII	10.0	3P+4V

Studijski program:

ARHITEKTURA. Akademске studije
Dužina trajanja: 10 semestara i 300 kredita.

Study programme:

ARCHITECTURE. Academic studies
Duration: 10 semesters and 300 credits.

Uslovljenost drugim predmetima:

Nema uslovljenosti.

Prerequisites:

No prerequisites.

Ciljevi izučavanja predmeta:

Studenti se upoznaju sa najznačajnijim funkcionalnim, oblikovnim konstruktivnim karakteristikama i metodama u organizaciji projektovanja javnih objekata.

Course aims:

Students are introduced to most important of spatial - functional and formal characteristics, and methods of organization and design of public buildings.

**Predmetni nastavnik – saradnici u nastavi /
Lecturer – teaching assistants**

Prof. dr Rifat Alihodžić / Doc. dr Slavica Stamatović
Vučković
AF _ 3 saradnika

Metode nastave i savladavanje gradiva:

Predavanja, vježbe, konsultacije, studentske stručne ekskurzije i studentske radionice. Na predavanjima studenti se upoznaju sa objektima kulture i spektakla, njihovim značajem za razvoj kulture, vrstama i tipologijom javnih objekata kao i prostorno – funkcionalnim karakteristikama organizacije prostora objekata kulture i spektakla. Na vježbama u toku semestra studenti izrađuju jedan idejni projekat nekog objekta kulture i spektakla. Na studentskim ekskurzijama studenti, u pratnji profesora i saradnika, obilaze karakteristične primjere objekata kulture i spektakla u okruženju, uz stručna objašnjenja i komentare na licu mjesta.

Teaching methods and learning activities:

Lectures, exercises, consultations, study tours and professional student workshops. During lectures students are introduced to residential buildings and their importance to development of Culture, types and typology of buildings for culture and spectacle, as well as spatial - functional characteristics of buildings for culture and spectacle. During practical classes in the course of semester, students prepare a preliminary design of a building for culture and spectacle. On student excursions the students, accompanied by teachers and staff, visiting typical examples of buildings for culture and spectacle, with expert explanations and comments on the site.

SADRŽAJ PREDMETA:

Pripremna nedjelja	Priprema i upis semestra.
I nedjelja	Objekti namijenjeni sportu. Uvod i istorijsko razvoj
II nedjelja	Borilište - Gledalište. Univerzalni principi i normativi.
III nedjelja	Stadioni. Sportske dvorane (multifunkcionalne i specijalizovane).
IV nedjelja	Bazeni i kupališta. Borilački sportovi.
V nedjelja	Zimski sportovi. Dvorane za hokej. Skakaonice.
VI nedjelja	Objekti namijenjeni konjičkom sportu. Analiza savremenih objekata namijenjenih sportu.
VII nedjelja	KOLOKVIJUM I
VIII nedjelja	Objekti kulture i spektakla. Uvodno predavanje
IX nedjelja	Istorijski razvoj. Prostori za gledaoce i izvođače. Postorni koncepti. Normativi.

SUBJECT CONTENT:

Preliminary week	Preparation and enrollment of semester.
1 st week	Buildings intended for sports. Introduction and historical development.
2 nd week	Arena - Auditorium. Universal principles and norms.
3 rd week	Stadiums. Sports halls (multifunctional and specialized)
4 th week	Pools and baths. Martial sports.
5 th week	Winter sports. Hockey halls. Diving boards.
6 th week	Buildings for equestrian sport. Analysis of modern sport buildings.
7 th week	1 st TEST (colloquium)
8 th week	Buildings for culture and spectacle. Introduction.
9 th week	Historical development. Areas for spectators and performers. Spatial concepts. Norms.

X nedjelja	Pozorišne i bioskopske dvorane. Opere.
XI nedjelja	Muzeji i galerije. Istorijski razvoj. Različiti prostorni koncepti.
XII nedjelja	Multimedijalni kulturni centri.
XIII nedjelja	Savremeni muzeji i galerije. Analiza primjera.
XIV nedjelja	KOLOKVIJUM II
XV nedjelja	Završni ispit.
XVI nedjelja	Ovjera semestra i upis ocjena.
XVII nedjelja	Dopunska nastava i popravni ispitni rok.
XVIII-XXI	

10 th week	Theater and cinema halls. Opera.
11 th week	Museums and galleries. Historical development. Different spatial concepts.
12 th week	Multimedia Cultural centers.
13 th week	Contemporary museums and galleries. Analysis of the examples.
14 th week	2 nd TEST (colloquium)
15 th week	FINAL EXAM.
16 th week	Verification of the semester and mark enrollment.
17 th week	Additional lessons and exam term.
18 th -21 st week	

Opterećenje studenata:

<u>Nedjeljno</u>
9.0 kredita x 40/30 = 12 sati
Struktura: 3 sata predavanja 4 sata računskih vježbi 5 sato samostalnog rada, uključujući konsultacije
<u>U toku semestra</u>
Nastava i završni ispit: (12 sati) x 16 = 192 sata Neophodne pripreme prije početka semestra (administracija, upis, ovjera) 2 x (12 sati) = 24 sata
Ukupno opterećenje za predmet: 9.0x30 = 270 sati Dopunski rad: 54 sata Struktura opterećenja: 192 sata (Nastava) + 24 sata (Priprema) + 54 sata (Dopunski rad) = 270 sati

Student workload:

<u>Weekly</u>
9.0 credits x 40/30 = 12 hours
Structure: 3 hours of lectures 4 hour for tutorial 5 hours of individual work, including consultations
<u>During the semester</u>
Teaching and the final exam: (12 hours) x 16 = 192 hours Necessary preparations before the start of the semester (administration, registration, certification) 2 x (12 hours) = 24 hours
Total hours for the course: 9.0x30 = 270 hours Additional hours: 54 hours Structure of workload: 192 h (lectures) + 24 h (preparation) + 54 h (add. hours) = 270 h

Literatura / Literature:

<ul style="list-style-type: none"> - Slobodan Ilić, "Sportski objekti", Beograd 1998 - Allan Koyna, "Sports buildings", The University of Michigan, Architectural Press, 1986 - Aurora Cuito, "Sport Facilities", Loft Publications, 2005 - Michala Gibelhausen, "The Architecture of The Museum", Manchester University Press, 2003. - Paul v Naredi-Rainer, Oliver Hilger, "Museum buildings", Birkhäuser, Publishers for Architecture, 2004. - Philip Jodido, "Museums", Tachen, 2010. - Iain Mackintosh, "Architecture, Actor and Audience (Theatre Concepts)", Routledge, 2004. - Association of British Theatre Technicians, "Theatre Buildings: A Design Guide", Routledge, 2010)
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Oblici provjere znanja i ocjenjivanje:

* Položena oba kolokvijuma i pozitivno ocjenjen sintezni projekat.
- Uredno pohađanje nastave : ukupno 10 poena (svaki izostanak manje 1 poen), maksimalno 3 izostanka
- I kolokvijum : maksimum 20 poena
- II kolokvijum : maksimum 20 poena
- Semestralni rad : maksimum 50 poena

Forms of Assessment:

* Student has to pass both tests and positively evaluated project.
- Regular attendance of classes: 10 points (each one less cause failure point), maximum 3 absences
- First test: maximum 20 points
- Second test: maximum 20 points
- Semester work: maximum 50 points

Očekivani ishodi učenja:

Očekuje se da student, nakon položenog ispita Arhitektonsko projektovanje 6:
1. Ima sposobnost da izradi i predstavi projekte objekata odgovarajuće tipologije – objekti kulture i spektakla, različite razmjere i složenosti;
2. Posjeduje znanje o kontekstualnosti, tj uklapanju objekta u postojeći lokalni, socijalni i fizički, kontekst;
3. Posjeduje adekvatno znanje potrebno za kritičku valorizaciju arhitektonskih projekata odgovarajuće tipologije, sa estetskog, tehničkog aspekta i aspekta potreba korisnika;
4. Poznaje istorijski razvoj odgovarajuće tipologije arhitektonskih objekata, pripadajuće teorijske koncepte, kao i savremene tendencije

Expected learning outcomes:

It is expected that the student after passing the exam Synthesis project IV:
1. Has the ability to develop and present projects of buildings corresponding typology - public buildings, different proportions and complexity;
2. Has knowledge of contexts, integration of the facility into the existing local, social and physical, context;
3. Has adequate knowledge needed for critical evaluation of the corresponding typology of architectural projects, from the aesthetic, technical aspects and aspects of user needs;
4. He knows the historical development of the corresponding typology of architectural objects, corresponding theoretical concepts, as well as modern tendencies.

Metode za ocjenu kvaliteta i obezbjeđivanje željenih rezultata učenja:

Kontrola od strane Univerziteta, kontrola nastavnog procesa od strane Fakulteta, spisak prisustva studenata, analize stepena prolaznosti (sistem upravljanja kvalitetom u skladu sa ISO 9001).
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Methods for assessing the quality and ensuring preferred learning outcomes:

Control by the University, the control of the teaching process by the faculty, the list of presence of students, analysis of the degree of transience (quality management system in accordance with ISO 9001).
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Napomena:

Dodatne informacije o predmetu mogu se dobiti kod predmetnog nastavnika i kod prodekana za nastavu.

Admonishment:

Further information about the subject can be obtained from the course teacher and Vice Dean for Education.
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II nedjelja	Proces parternog projektovanja	2 nd week	Process of Landscape design
III nedjelja	Prostorne vrijednosti: prirodne, kulturne, istorijske, umjetničke, društvene i individualne	3 rd week	Spacious values: natural, cultural, historical, , artistic, social and individual
IV nedjelja	Tipovi sistema i urbanih zelenih površina Urbani parkovi	4 th week	Types of systems and urban green areas Urban parks
V nedjelja	Parтерна umjetnost u Evropi, estetika prirode	5 th week	Landscape art in Europe, the aesthetics of nature
VI nedjelja	Razvoj parterne arhitekture/Vavilon , Persija, Egipat, Antička Grčka, Rim/	6 th week	Development of Landscape architecture/ Babylon, Persia, Egypt, Ancient Greece, Rome
VII nedjelja	KOLOKVIJUM I	7 th week	1st TEST (colloquium)
VIII nedjelja	Srednjevjekovni vrtovi	8 th week	Medieval gardens
IX nedjelja	Renesansni vrtovi Italije	9 th week	Renaissance gardens of Italy
X nedjelja	Engleski i francuski vrtovi	10 th week	English and French gardens
XI nedjelja	Japanski i kineski vrtovi	11 th week	Japanese and Chinese gardens
XII nedjelja	Formiranje ansambla i građevina u pejzažnom nasljeđu	12 th week	The formation of the ensemble and buildings in the landscape heritage
XIII nedjelja	Predstavljanje prostora u parternom projektovanju	13 th week	Presentation of space in landscape design
XIV nedjelja	Praktična implementacija prostornih vrijednosti Savremena realizacija i preporuke	14 th week	The practice implemented spatial values Modern and implementation of recommendations
XV nedjelja	KOLOKVIJUM II	15 th week	2 nd TEST (colloquium)
XVI nedjelja	Završni ispit.	16 th week	FINAL EXAM.
XVII nedjelja	Ovjera semestra i upis ocjena.	17 th week	Verification of the semester and mark enrollment.
XVIII-XXI nedjelja	Dopunska nastava i popravni ispitni rok.	18 th -21 st week	Additional lessons and exam term.

Opterećenje studenata:

<u>Nedjeljno</u>	
5.0 kredita x 40/30 = 6 sati i 40 minuta	
struktura:	
2 sata predavanja	
2 sata vježbanja	
2 sat i 40 min –samostalni rad, uključujući i konsultacije	
<u>U toku semestra</u>	
Nastava i završni ispit: (6 sati i 40 minuta) x 16 = 106 sati i 43 minuta	
Neophodne pripreme (administracija, upis, ovjera prije početka semestra): 2x (6 sati i 40 minuta)= 13 sati i 20 minuta	
Ukupno opterećenje za predmet : 5.0 x 30 = 150 sati	
Dopunski rad: preostalo vrijeme od prve dvije stavke do ukupnog opterećenja za predmet: 31 sat i 57 minuta	
Struktura opterećenja: 106 sati i 43 min. (nastava) + 13 sati i 20 min. (prip.) + 21 sati i 57 min. (dop.r.)	

Student workload:

<u>Weekly</u>	
5.0 credits x 40/30 = 6 hours and 40 minutes	
Structure:	
2 hours of lectures	
2 hour for tutorial	
2 hours and 40 minutes of individual work, including consultations	
<u>During the semester</u>	
Teaching and the final exam: (5 hours and 33 min) x 16 = 106 hours and 43 minutes	
Necessary preparations before the start of the semester (administration, registration, certification) 2 x (5 hours and 33 min) = 13 hours and 20 minutes	
Total hours for the course: 5.0x30 = 150 hours	
Additional hours: 31 hours and 57 minutes	
Structure of workload: 106 h and 43 min (lectures)+ 13 h and 20 min (preparation) + 21 h and 57 min (add. hours)	

Literatura / Literature:

<ul style="list-style-type: none"> - Macura V, Grad i urbanizovani predeo, Univerzitet u Beogradu, 1989. - Cvejic J, Tipologija predjela, priprema predavanja, Beograd, 1999. - Forman TTR & Godron M, Landscape Ecology, New York, 1986 - Vujkovic LJ, Pejzažna arhitektura, Planiranje i projektovanje, Univerzitet u Beogradu, 2003. - Vujkovic LJ, Necak M, Vujicic D, Tehnika pejzažnog projektovanja, Univerzitet u Beogradu, 2003 - Jackle A.J., The visual Elements of Landscape, The University of Massachusetts - Farr D, Sustainable Urbanism: Urban Design With Nature, 2010 - Barlow Rogers E, Landscape Design: A Cultural and Architectural History, 2001 - Jodidio P, Architecture Now! Landscape, 2009 - Ormsbee Simonds J, Earthscape: A Manual of Environmental Planning, 1978 - Treib M, Modern Landscape Architecture: A Critical Review, 1994
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Oblici provjere znanja i ocjenjivanje:

* Uredno pohađanje nastave : ukupno 10 poena (svaki izostanak manje 1 poen)	
- I kolokvijum	: maksimum 20 poena
- II kolokvijum	: maksimum 20 poena
- Završni ispit	: maksimum 50 poena
** Prelazna ocjena se dobija ako student ostvari najmanje 51 poen.	

Forms of Assessment:

* Regular attendance of classes: 10 points (each one less cause failure point), maximum 3 absences	
- First test:	maximum 20 points
- Second test:	maximum 20 points
- Semester work:	maximum 50 points
** Passing grade is obtained if the student achieved at least 51 points.	

Očekivani ishodi učenja:

Očekuje se da student, nakon položenog ispita Parterna arhitektura:

Expected learning outcomes:

It is expected that the student after passing the exam parterre architecture:

1. Posjeduje adekvatno znanje i razumijevanje teorije i istorije parterne arhitekture
2. Posjeduje adekvatno znanje u procesu parternog dizajna
3. Implementira teorijska istraživanja u praksu
4. Razvija nove kriterijume i modele za savremene estetske i tehničke zahtjeve u parternom dizajnu

1. Has adequately skills and understanding of history and theory of Landscape architecture
2. Has adequate knowledge in process of landscape design
3. Implement theoretical research in practice
4. Develop new criteria and models for contemporary esthetic and technical requirements in landscape design

Metode za ocjenu kvaliteta i obezbjeđivanje željenih rezultata učenja:

Kontrola od strane Univerziteta, kontrola nastavnog procesa od strane Fakulteta, spisak prisustva studenata, analize stepena prolaznosti (sistem upravljanja kvalitetom u skladu sa ISO 9001).

Methods for assessing the quality and ensuring preferred learning outcomes:

Control by the University, the control of the teaching process by the faculty, the list of presence of students, analysis of the degree of transience (quality management system in accordance with ISO 9001).

Napomena:

Vježbe iz ovog predmeta se odvijaju u studiju sa izradom dvaprojekta pejzažne arhitekture. Dodatne informacije o predmetu mogu se dobiti kod predmetnog nastavnika, šefa studijskog programa i kod prodekana za nastavu.

Admonishment:

The exercises in this subject are taking place in the studio with creating two projects of the landscape architecture. Further information about the subject can be obtained from the course teacher, Head of the study programme and Vice Dean for Education.

PLAN I PROGRAM NASTAVE / COURSE SYLLABUS

Naziv predmeta:

INTEGRALNI ARHITEKTONSKI PROJEKAT (objekti saobraćaja i kompleksnih programa)

Course title:

INTEGRATED ARCHITECTURAL DESIGN (buildings of traffic and complex program)

Šifra predmeta / Course code	Status predmeta / Course type	Semestar / Semester	ECTS kredita / ECTS credits	Fond časova / Number of classes
P_9.4.	obavezan / required	IX	9.0	3P+4V

Studijski program:

ARHITEKTURA. Akademске studije
Dužina trajanja: 10 semestara i 300 kredita.

Study programme:

ARCHITECTURE. Academic studies
Duration: 10 semesters and 300 credits.

Uslovljenost drugim predmetima:

Položeni ispiti: Specijalne konstrukcije i Arhitektonsko projektovanje 1-5.

Prerequisites:

Passed exams: Special Construction and the Architecture Design 1-5.

Ciljevi izučavanja predmeta:

Studenti ovladavaju osnovnim principima projektovanja, oblikovanja i programskih zahtjeva saobraćajnih terminala različitih vidova transportnih sistema. Kroz ciklus predavanja studenti se upoznaju sa istorijskim razvojem različitih vidova saobraćaja i posebno saobraćajnih terminala, njihovom tipologijom i savremenim programskim i funkcionalnim zahtjevima.

Course aims:

Students taught the principles of design, shaping and program requirements of different types of terminal traffic transportation systems. Through the cycle of lectures, students are introduced to the historical development of different types of traffic, especially traffic terminals, their typology and the contemporary program and the functional requirements.

**Predmetni nastavnik – saradnici u nastavi /
Lecturer – teaching assistants**

Doc. dr Veljko Radulovićdipl.ing.arh.

AF _ 3 saradnika