

Name subjects :		Analysis of investment projects		
Code subjects	Case status	Semester	Number of ECTS credits	Number of lessons (weekly)
PO2AIP	Required	III	8	2P+2V

Studio programs for organized by : Polytechnic , general study

Conditionality other Subjects : None .

Idea studies subjects : Develop ability at students to analyze projects are approaching comprehensive and systemic with viewpoints procedural , legal , investment , contractual , digital and sustainable environment investment projects in construction . Present , analyze and compare advantages and disadvantages traditional , linear and predictive method , with agile , adaptive , iterative and circular methods management projects according to methods and procedural models professional organization in management projects . Social , economic and sustainability with viewpoints influence on life environment . Enable students to the same principles analyses and management projects applications in practice . Efficient use available literature and internet resources . Realization project tasks .

Goals studies subjects : Subject there is for the goal is for the student to meet with basic characteristics , goals and phases life cycle investment projects , from the definition phase project task , through phase design and construction facilities , up to the operational stage use and maintenance objects according to our law and RIBA Plan of work. Acquaintance process models and areas knowledge management projects according to procedures of the Project Management Institute - PMI. Understanding legal and contractual environment , strategy contracting and procurement , as and management projects on to whom are applied international FIDIC forms of the contract . Understanding way management projects in the Building Information Modeling - BIM environment . Understanding way management sustainable projects which are certified by LEED and WEEL organizations . Project tasks conceived are on that one way for a student to making the same , on practical way pass through everything areas knowledge management projects and all stages of life cycle projects in construction , . One third The subject is dedicated practical work with students .

Outcomes learning :

A student who successfully overcome this one subject , will be able to :

1. Understands traditional , linear and predictive methods , as and agile , adaptive , iterative and circular methods management projects ;
2. Understands all stages of life cycle projects , from the definition phase , through phase design and construction , to the operational stage use and maintenance ;
3. Understands processes and areas knowledge management projects according to PMI procedures ;
4. Bring selection decision strategies contracting and optimal FIDIC contract forms ;
5. Participates in the implementation digital technology in the BIM environment in management project , and be able to critically attitude on the occasion the same .

Name and last name teacher and Associate : Prof. Dr. Zoran Hammer

Method teaching and overcoming materials : lectures , exercises , individual and group project tasks .

WORK PLAN

Sunday :	Name methodological unit for lectures (L), exercises (V) and others teaching contents (O); Planned shape checks knowledge (Pz)
Preparatory Sunday	Introduction , preparation and enrollment semester .
And Sunday	P/V Introduction to analysis and management investment projects
II	P/V Life stages cycle projects according to our law and according to RIBA Plan of work
III	P/V Process groups and areas knowledge management projects according to PMI
IV	P/V Traditional , linear and predictive methods management projects
V	P/V Agile , adaptive , iterative and circular methods management projects
VI	PZ Defense group work
VII	P/V Definition stages project and project task .
VIII	P/V Management by designing .
IX	P/V Management by building .
X	P/V Management by maintenance and operational by using objects .
XI	P/V Strategy contracting and choice forms of FIDIC contract . Solving disputes .
XII	P/V Social , economic and sustainability with viewpoints influence on the middle . LEED and WELL certified management projects .
XIII	P/V Management projects in the digital BIM environment .
XIV	PZ Individual seminar works .
XV	P/V Recapitulation materials .
XVI	PZ Final exam .
XVII	Verification semester and enrollment rating
XVIII	Correctional exam deadline

Obligations student in progress classes : lectures , exercises , discussions , project tasks .

Consultations by e- mail : YES

Load student

Sunday :

8 credits x 40/30 = 10 hours 40 minutes

Structure :

– 2 hours lectures

– 2 hours exercises

6 hours 40 minutes independent work , including consultations .

In the semester :

Total burden for subject 8x30 = 240h

Structure :

Teaching and final exam : 10h40min x 16 weeks = 170h40min

Necessary preparations before beginning semester (administration , enrollment , certification) : 10h40minx2=21h20min

Additional work for preparation and laying remedial exam time : 0-48h

Literature :

Ivkovic , B. and Popović , Ž. (2007) Management to construction projects , Construction book

Avlijaš , R, and Avlijaš , G. (2024) Management projects , University Singidunum ,

Meredith, JJ, and Mantel, JS (2012) Project Management – A Managerial Approach, 8th Edition, John Wiley and Sons Inc., USA

FIDIC, (2014) FIDIC Conditions contract , FIDIC

Shapes checks knowledge and evaluation :

Group seminar paper 30%, individual seminar paper 30%, and exam 40%.

Rating	A	B	C	D	E
Number point	90-100	80-89	70-79	60-69	50-59