

Subject name :		COMPUTER SCIENCE AND VISUALIZATION		
Code subjects	Case status	Semester	Number of ECTS credits	Number of lessons (weekly)
PO1IV	Required	And	4	2P+1V

Studio programs for organized by : Polytechnic , general studies

Conditionality other Subjects : None .

Idea studies subjects : This one the subject is divided on two module : Informatics and Visualization . Module Informatics deals with by studying method collection , analysis , storage and presentations data in digital format . Informatics as wide field human the activity is narrow tied for business Business environment informatics , as interdisciplinary the subject deals with by application informational technology in business environments , which require determined level digital literacy . In short , the goal module is to provide students and female students basic knowledge of usage digital office tools (Office) and information and communication technology in context improvements personal skill and in general business process . Module Visualization deals with by acquaintance student and students with basics tools for digitally expression , through technically drawing . Through module we deal with by acquaintance with basic with knowledge through the program AutoCad (Autodesk), as well first and primary shape formation architectural drawings through two dimensions . Young colleagues and colleagues , gradually enter the program, through his layout , tools , labeling and descriptions . From week after week we discover secrets software , we systematize drawing through layers , colors and thickness line , palette for shaping drawings , changes already conceived drawings , his further reasoning and description .

Goals studies subjects : Goal the subject is that students and female students acquire basic knowledge of use digital office tools (Office) and information and communication technology for the purpose improvements personal skill and business process . Through module Informatics , developing skills management digital tools in order to improve yours competitiveness and business abilities , while through module Visualization meet with basics technical drawings using the program AutoCad (Autodesk) for formation architectural drawings in two dimensions

Outcomes learning :

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

1. Applies digital tools and information and communication technologies for improvement business process and personal skill ;
2. Manages data through collection , analysis and interpretation in context adoption informed business decision .

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

1. Owns design knowledge space according to human needs and measure ;
2. Creates and systematizes technical drawings in the program AutoCad (Autodesk) using layers , colors and thickness line , through functional organizing zone within one apartment with drawn furniture ;
3. Understands space , relationship between man and space and object and his/her environment , and is capable of the above present on visually adequate way .

Name and last name teacher and collaborators : Mr. Dejan Babić , Ivan Jovović , MA , Elvis Taruh , Marko Stjepčević

Method teaching and overcoming materials : lectures , exercises , tests .

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 computer science , data and information , Getting to know with the basics of the Office package . Introduction to basic Excel functions .
II	P/V	Excel: work on specific for example , formatting , more advanced functions .
III	P/V	Conditional and logical functions in Excel (IF, AND, OR). An example .
IV	P/V	Excel: conditional formatting , more advanced application logical functions and their role in analysis data and adoption decision .
V	P/V	Rounding crossed materials , production tasks .
VI	PZ	Excel test.
VII	P/V	Colloquium .
VIII	P/V	Getting to know each other with by plan work on teaching module Visualization .
IX	P/V	Getting to know each other with interface AutoCAD program . Palettes Draw.
X	P/V	Hatch and Modify palette .
XI	P/V	Layer and Block palettes .
XII	P/V	Dimensions and Text palettes .
XIII	P/V	Visualization AutoCAD test.
XIV	P/V	Recapitulation materials .
XV	P/V	Final exam .
XVI	PZ	-
XVII	Verification semester and enrollment rating	
XVIII	Correctional exam deadline	

Obligations student in progress classes : lectures , exercises , tests .

Consultations by e- mail : YES

Load student

<p>Sunday 4 credits x 40/30 = 5 hours 20 minutes (total Sunday burden Structure : 2 hours lectures 1 hour of exercise 2 hours 20 minutes independent work , including consultations .</p>	<p>In the semester Total burden for subject 4x30 = 120h Structure : Teaching and final exam : 5h20min x 16 weeks = 85h 20min Necessary preparations before beginning semester (administration , enrollment , certification) : 5h20minx2=10h40min Supplementary work for preparation and laying remedial exam time : 0-24h</p>
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Literature :
J. Crnković , " Business Informatics , combined and updated edition " , 2015.

Shapes checks knowledge and evaluation :
Tests 20%, midterm exam 40% and exam 40%. **Note : The subject is taken by modules . The student must to lay both module to successfully passed subject .**

<i>Rating</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>
<i>Number point</i>	<i>45-50</i>	<i>40-44</i>	<i>35-39</i>	<i>30-34</i>	<i>25-29</i>