Course title: BUILDING CONSTRUCTION

Course Basic Information	
Academic Unit:	**Faculty of Civil Engineering**
Course title:	**BUILDING OF CONSTRUCTION**
Level:	**Bachelor of Civil Engineering**
Course Status:	**Compulsory**
Year of Study:	**Year 2 / Sem. II**
Number of Classes per Week:	**2+2**
ECTS Credits:	**6**
Time / Location:	**According to the Timetable**
Teacher:	**Prof. Dr. Violeta Nushi, IDA**
Contact Details:	Email: violeta.nushi@uni-pr.edu www.fn.uni-pr.edu
Course Description:	Relevant knowledge that will lead to the solution of concrete problems and needs for architectural element constructions, as well as technical content that develops students' skills for understanding and designing implementation plans for different typologies of buildings and urban spaces constructed according to standards and building codes, for: introduction to construction technology, architectural / structural elements – concept of construction, elements and completeness of whole building, such as: construction building systems, types of foundations, walls, slabs, beams, staircases, flat and sloped roof structures, envelope, and all other building construction elements, robust details, etc.
Course Goals:	Introduce students to the basic theoretical and practical knowledge of the concept of design of structures, using methodology (methods, techniques and instruments / tools) and systematic way, enabling them to design architectural/building construction implementation plans for the whole building elements within different building construction system, for different construction typologies (eg high, low, hydro-construction); for different typologies of building functions; and / or for different typologies of built urban space; in the context of the country and beyond.
Expected Learning Outcomes:	Upon completion of the course, students must: - have understood and the basic theoretical and design principles of the building construction elements for the typology of buildings a/o urban-architectural built spaces;

	- gain and apply knowledge of sustainable building constructions by applying standards and codes in the field of architecture and construction, locally a/o internationally; - be able to think constructively when designing sustainable / ecological architectural and construction project implementation plans, using information-graphing techniques and tools for architectural elements in implementing projects.

Student Workload (should be in compliance with student's Learnign Outcomes)			
Activity	**Hours**	**Day/Week**	**Total**
Lectures	2	15	30
Theory/ Lab Work/Exercises	2	15	30
Practical Work	-	-	-
Preparation for intermediate tests	1	5	5
Consultations with the teacher	1	3	3
Field Work	1	2	2
Test, seminar paper	1	10	10
Homework	2	15	30
Self-study (library or home)	1	10	10
Preparation for final exam	5	1	5
Assessment time (test, quiz, final exam)	2	6	12
Projects, presentations, etc.	1	13	13
Ad other activities which are not in this table:	-	-	-
Total			**150**

Teaching Methods:	Summary lectures (multimedia presentation method); analytical commentary on empirical or research experiences and data; analytical and comparative commentary on the nature of interactive discussions, engaging all students in the discussion. Engaging students in individual and / or group work to solve concrete tasks related to constructive design for buildings according to case studies, seminars, exercises and site visits, under close supervision during exercises and classroom lessons. Students use various visual aids and techniques, while working with students in individual consultations promotes and appreciates independent classroom work, engagement, and homework.
Assessment Methods:	The evaluation methods and passing criteria for the course which is 100% in total, are divided by: Attendance at lectures, 10% Participation and engagement in exercises, 30% Final Exam (test) 60%
Primary Literature:	**1** Summary Lectures © Prof.Dr. Violeta Nushi **2** Francis, D.K.Ch., "Illustrated building construction", USA, 2006; **3** Peulic, Dj., "Constructive Element Zgrada", Zagreg, 1989;

	4 Papanikolla, I., "Architectural Designs 1e2", Tirana, 1988.
Additional Literature:	1 Karl Knöll, Dietrich Neumann, Von Otto Frick, Baukonstruktionslehre 1 2 Karl Knöll, Dietrich Neumann, Von Otto Frick, Baukonstruktionslehre 2

Designed teaching plan	
Week	**Title of the Lecture**
Week 1:	*Introduction, content, concept of construction.*
Week 2:	*Building constcution systems - shape and function.*
***Week 3*:**	*Building constcution systems – types and materials*
Week 4:	*Building constcution elements – functions and types*
***Week 5*:**	*Building constcution elements – foundations*
Week 6:	*Building constcution elements – walls*
Week 7:	*Building constcution elements – slabs*
Week 8:	*First evaluation*
Week 9:	*Building constcution elements – staricases*
***Week 10*:**	*Building constcution elements – openings*
***Week 11*:**	*Building constcution elements – flat and slope roofs*
***Week 12*:**	*Robust details – building drainage and hydroinsultation systems*
***Week 13*:**	*Robust details – building thermoinsulation systems*
***Week 14*:**	*Building construction – Case Studies*
***Week 15*:**	*Second evaluation*

Academic Policies and Code of Conduct

- Entering the hall at the correct time according to schedule. Delayed entry impedes the learning process;
- Keeping calm in learning and adhering to a code of ethics;
- The student has no right to make more than 3 absences in lectures and exercises;
- Cell phones and other electronic devices must be turned off during the learning process;
- Laptops and tablets are only allowed to be used quietly during exercise. Other activities such as checking personal e-mail or browsing websites are prohibited;
- Jo Inappropriate use of resources (Plagiarism), prohibited and punished according to the code of ethics;
- Students who have a positive assessment in semester work are eligible to take ECTS, and to take the subject examination. who are in compliance with the norms and standards of the Faculty and have a positive grade on the exam
- Contacting the professor on matters related to the subject is done only through the official e-mail.

Note | If a student's major semester project is rated below 56%, then he/she must repeat the subject / will lose the right to take the final exam.