

**Procedures and criteria for evaluation and recognition of student's progress within course activities during the semester  
Civil Engineering– Politehnica International Programme ( 4 year bachelor),  
Specialisation: Civil Engineering, 3<sup>rd</sup> and 4<sup>th</sup> year**

<b>Didactic mission of the educational program</b>	Achievement of the basic and specialty engineering training for the design and erection of civil, industrial and agricultural constructions.
<b>Research mission of the educational program</b>	Formation of ability and accumulation of knowledge adequate for the research activity in the field of civil, industrial and agricultural construction, as well as in view of professional improvement by master study (oriented on research) or PhD study.

Nr. crt.	Year of study	Course name	Evaluation procedures and criteria (written/oral examination, / colloquium, No. of examiners, No. of questions, evaluation criteria, requirements for minimum mark, requirements for maximum mark, evaluation conditions setup)	Quantification/recognition of the student progress/activity during the semester
1.	III	Structural Analysis 2	<ul style="list-style-type: none"> <li>• Written exam. Written paper</li> <li>• 2 theoretic questions x 10pt = 20 pt</li> <li>• 3 applications x 10 pt = 30pt</li> <li>• Minimum quotation = 5</li> <li>• 2 questions x 5pt = 10 pt</li> <li>• 3 applications x 5 pt = 15 pt</li> <li>• Final mark</li> <li>• According to PUT regulation:</li> <li>• Integer part of the sum composed of:</li> <li>• + 0.33 Quotation of continuous activity</li> <li>• + 0.67 Quotation for written paper</li> <li>• Room provided by dean's office</li> <li>• 2 examiners</li> </ul>	<ul style="list-style-type: none"> <li>• Correct and complete solution for tests 50%</li> <li>• Correct and complete solution for homeworks + on time delivery 30%</li> <li>• Correct solution of seminary applications</li> <li>• 20 %</li> </ul>
2.	III	Concrete 1	<ul style="list-style-type: none"> <li>• Oral examination</li> <li>• 2 examiners</li> <li>• 3 questions (2 theoretical, 1 numerical application)</li> <li>• criteria: answer correctness; material systemizing; capacitaty of particularizing or generalizing; numerical rezults accuracy; structural elements correctness</li> <li>• mark 5: ½ of the quotation and fullfilling of practical activity, including homework with mark 5; minimum presence according to regulation.</li> <li>• mark 10: maximum quotation; fullfilling of practical activity, including homework with mark 10; maximum presence</li> </ul>	<p>The activity during the semester accounts for 33% of final mark;</p> <ul style="list-style-type: none"> <li>• Corresponding mark: 75% accuracy of applications results, 25% activity during application hours</li> </ul>

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			<ul style="list-style-type: none"> <li>• Room provided by dean's office</li> <li>• Minicomputers; calculation tables</li> </ul>	
3.	III	Metal Constructions 1	<ul style="list-style-type: none"> <li>• Written exam,</li> <li>• 2 internal examiners</li> <li>• 2 –3 subjects developed using references + 2-3 problems,</li> <li>• mark 5 by obtention of half quotation for each group of problems and laboratory promotion</li> <li>• Room provided by dean's office</li> </ul>	<ul style="list-style-type: none"> <li>• Laboratory activity is currently supervised and quoted as activity during semester, with a weight of 50% in final mark.</li> </ul>
4.	III	Foundations	<ul style="list-style-type: none"> <li>• Oral exam</li> <li>• 2 internal examiners;</li> <li>• 2 questions concerning a wide area;</li> <li>• Mark 5: obtention of half maximum quotation for each question and promotion of activity during semester ;</li> <li>• Room provided by dean's office</li> </ul>	<ul style="list-style-type: none"> <li>• Percent weight of 35 % for the activity during semester in final mark</li> </ul>
5.	III	Timber Structures	<ul style="list-style-type: none"> <li>• Distributed examination</li> <li>• Minimum 2 internal examiners</li> <li>• 3 - 4 tests, covering the important chapters</li> <li>• Mark 5 for each subject and for practical</li> <li>• Room provided by dean's office</li> </ul>	<ul style="list-style-type: none"> <li>• Quotation for the seminary activity (project, tests) with a percent weight of 50 % in final mark (aknowledged until promotion graduation)</li> </ul>
6.	III	Soil and rock mechanics	<ul style="list-style-type: none"> <li>• Distributed examination;</li> <li>• 2 internal examiners;</li> <li>• 3 partial tests with grouped questions;</li> <li>• Mark 5: obtention of half maximum quotation for each question and promotion of activity during semester ;</li> <li>• Room provided by dean's office</li> </ul>	<ul style="list-style-type: none"> <li>• Percent weight of 35 % for the activity during semester in final mark</li> </ul>
7.	III	Marketing and Building legislation	<ul style="list-style-type: none"> <li>• Distributed examination;</li> <li>• Nr. of examiners:3 (prof + 2 assistants)</li> <li>• 2 partial tests of 10 questions of 1 pt. each</li> <li>• Mark 5: answering half the questions and seminary promotion</li> <li>• Room provided by dean's office</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of learning degree during seminary hours when direct application on course subjects are done (aknowledged until promotion graduation)</li> </ul>
8.	III	Dynamics and Earthquake Engineering	<ul style="list-style-type: none"> <li>• Written exam,</li> <li>• 2 internal examiners</li> <li>• 4 applicative subjects + 4 teoretical subjects.</li> <li>• Each subject is compulsory and has to be promoted with mark 5 (half of the maximum quotation)</li> <li>• Room provided by dean's office</li> </ul>	<ul style="list-style-type: none"> <li>• Final exam with percent weight of 60% and semester activity with percent weight of 40% in final mark (aknowledged until promotion graduation)</li> </ul>
9.	III	Concrete 2	<ul style="list-style-type: none"> <li>• Oral examination</li> <li>• 2 examiners</li> </ul>	<ul style="list-style-type: none"> <li>• The activity during the semester accounts for 33% of final mark;</li> </ul>

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			<ul style="list-style-type: none"> <li>• 3 questions (2 theoretical, 1 numerical application)</li> <li>• criteria: answer correctness; material systemizing; capacity of particularizing or generalizing; numerical results accuracy; structural elements correctness</li> <li>• mark 5: ½ of the quotation and fulfillment of practical activity, including homework with mark 5; minimum presence according to regulation.</li> <li>• mark 10: maximum quotation; fulfillment of practical activity, including homework with mark 10; maximum presence</li> <li>• Room provided by dean's office</li> <li>• Minicomputers; calculation tables</li> </ul>	<ul style="list-style-type: none"> <li>• Corresponding mark: 75% accuracy of applications results, 25% activity during application hours</li> </ul>
10.	III	Metal constructions 2	<ul style="list-style-type: none"> <li>• Written exam</li> <li>• 2 internal examiners</li> <li>• 2 theoretical questions and 2 problems</li> <li>• Mark 5: for half of the questions answered and half of the points corresponding to the problems as well as promotion of semester activity, including project.</li> <li>• Sala este repartizată de decanat</li> </ul>	<ul style="list-style-type: none"> <li>• Examen parțial cu pondere 25% și proiect cu pondere 10% în nota finală și notă de activitate, recunoscute până la absolvirea promoției.</li> </ul>
11.	III	Buildings 1	<ul style="list-style-type: none"> <li>• Written exam</li> <li>• 2 internal examiners</li> <li>• 4 questions,</li> <li>• Quotation criteria are: semester activity, presence and marks obtained for questions answering</li> <li>• Mark 5 granted if: concluded semester activity, suitable presence of student, mark 5 for at least 3 questions;</li> <li>• Room provided by dean's office</li> </ul>	<ul style="list-style-type: none"> <li>• Quotation of the semester activity by supervision of the project activity</li> </ul>
12.	III	Technology 1	<ul style="list-style-type: none"> <li>• Distributed examination;</li> <li>• 2 internal examiners;</li> <li>• 3 partial tests with grouped questions;</li> <li>• Mark 5: obtention of half maximum quotation for each question and promotion of activity during semester ;</li> <li>• Room provided by dean's office</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of learning degree during seminary hours when direct application on course subjects are done (acknowledged until promotion graduation)</li> </ul>
13.	III	Introduction in FEA	<ul style="list-style-type: none"> <li>• Distributed examination</li> <li>• 2 internal examiners</li> <li>• Two partial tests: 1 computer application + 1 theoretical subject.</li> <li>• Each subject is compulsory and must be quoted with mark 5 (half the maximum mark)</li> <li>• Computer room with specific computer codes</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of learning degree during seminary hours when direct application on course subjects are done (acknowledged until promotion graduation)</li> </ul>
14.	III	Management	<ul style="list-style-type: none"> <li>• Distributed examination</li> <li>• 2 internal examiners</li> <li>• 3 partial tests</li> <li>• Quotation criteria are: semester activity, presence and marks obtained for questions answering</li> <li>• Mark 5 granted if: concluded semester activity, suitable presence of student, mark 5 for at</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of the semester activity and supervision of project activity</li> </ul>

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			<ul style="list-style-type: none"> <li>• least 3 questions;</li> <li>• Room provided by dean's office</li> </ul>	
15.	III	Practice V, VI	<ul style="list-style-type: none"> <li>• Colloquium examination</li> <li>• 3 internal examiners /department comision for de practice</li> <li>• Copy book of practice consisting of:               <ul style="list-style-type: none"> <li>○ Presence record card on construction site</li> <li>○ 5 record cards of thematic site visits</li> <li>○ Record cards of individual activities</li> </ul> </li> <li>• Quotation „pass” for 25 points of a required 50 points, obtained by participating to thematic site visits and individual activities, as required by the „Practice curriculum”</li> <li>• 1/3 of the Program required by Departaments and 2/3of the Program through individual choice.</li> </ul>	<ul style="list-style-type: none"> <li>• Evaluation of the ongoing activity with a percent weight of 100% in the final quotation.</li> </ul>
16	IV	Reinforced and Prestressed Concrete Structures	<ul style="list-style-type: none"> <li>• Oral exam</li> <li>• 2 theoretical questions and a test</li> <li>• Mark 5 granted for solving 50% of exam request, mark 10 for solving over 90% of exam request</li> <li>• Final mark granted according to UPT regulation.</li> <li>• Room programmed by dean's office.</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing activity:               <ul style="list-style-type: none"> <li>- Project mark and performed activity with a weight of 33%</li> <li>- Lecture presence considered by supplementary questions for students with a lot of absence.</li> </ul> </li> <li>• Quotation aknowledged until graduation</li> </ul>
17	IV	Metal structures	<ul style="list-style-type: none"> <li>• Written exam</li> <li>• 3 theoretical subjects</li> <li>• Mark 5 for solving 60% of each subject. Possible pass with 2 subjects of 3, theory and problems if average quotation on 3 subjects is 5</li> <li>• Mark 10 for complete presentation of the subjects</li> <li>• The condition to pass the exam is project delivery, which has to be defended proving a satisfactory level of understanding of the course.</li> <li>• Room programmed by dean's office</li> </ul>	<ul style="list-style-type: none"> <li>• Project of a steel structure is included. Ongoing activity quotation and final quotation are used.</li> <li>• The project quotation is of main importance for the ongoing activity and has a weight of 50% in the final quotation</li> <li>• Quotation aknowledged until graduation</li> </ul>
18	IV	Buildings II	<ul style="list-style-type: none"> <li>• Written exam</li> <li>• 2 internal examiners</li> <li>• 3 theoretical subjects</li> <li>• Mark 5 for solving 50% of each subject, mark 10 for solving 90% of each subject</li> <li>• Project quotation (Np) has a weight of 33% in the final mark.</li> <li>• Room programmed by dean's office</li> </ul>	<ul style="list-style-type: none"> <li>• Partial examination with a weight of 33% at mid-semester and written test in week.14 with a weight of 33%</li> <li>• Final mark : <math>N_f = (N_1 + N_2 + N_p) / 3</math></li> <li>• Quotation aknowledged until graduation</li> </ul>
19	IV	Management of Constructions and Building sites	<ul style="list-style-type: none"> <li>• Written exam</li> <li>• 2 examinars</li> <li>• 2 theoretical subjects+1 application</li> <li>• Condition for mark 5 : subjects and application solved 50%</li> <li>• Condition for mark 10: subjects and application solved 100%</li> <li>• Final quotation: exam weight 50%, ongoing activity (project) 50%</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing activity and project activity aknowledged until graduation.</li> </ul>

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20	IV	Optional 1 Special RC Structures	<ul style="list-style-type: none"> <li>• Distributed examination</li> <li>• For the course part each student has to make a presentation on a specific topic in front of his colleagues.</li> <li>• For the project, each students receives 2-3 problems, of which the ongoing activity qotation results.</li> <li>• Mark 5 results from presenting and defending at satisfactory level the required subject, while marh 10 results from an excelent level.</li> <li>• The quotation for ongoing activity has a weight according to UPT regulation</li> </ul>	<ul style="list-style-type: none"> <li>• Quotation for the ongoing activity aknowledged until graduation</li> </ul>
21	IV	Optional 2 Special Metal Structures	<ul style="list-style-type: none"> <li>• Distributed examination</li> <li>• 2 internal examiners</li> <li>• 6 questions: 4 referring to main structure and 2 referring to infrastructure</li> <li>• Mark 5: for 50% of question topics</li> <li>• Mark 10: for 100% of question topics</li> <li>• Ongoing activity with a weight of 35% in final mark</li> <li>• Room programmed by dean's office</li> </ul>	<ul style="list-style-type: none"> <li>• Answers at the seminary during applications give the quotation for ongoing activity</li> <li>• Quotation for the ongoing activity aknowledged until graduation</li> </ul>
22	IV	Building Services	<ul style="list-style-type: none"> <li>• Distributed examination;</li> <li>• 2 examiners;</li> <li>• 6 questions distributed on fundamental knowledge and technical knowledge specific to the subject ;</li> <li>• Final mark obtained from the quotation at the written test (60%) and quotation for ongoing activity (project) (40%);</li> <li>• Condition for mark 5: Acceptable answers to the questions and delivery of application papers</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing activity with a weight of 30% in final mark;</li> <li>• Quotation aknowledged until graduation</li> </ul>
23	IV	Optional 3 Bridges + Masonry and local material structures	<ul style="list-style-type: none"> <li>• Written exam</li> <li>• 2 examiners</li> <li>• 2 theoretical subjects +1 application</li> <li>• Condition for mark 5 : subjects and applications solved 50%</li> <li>• Condition for mark 10: subjects and applications solved 100%</li> <li>• Final mark: weight of the exam 50%, weight of ongoing activity (project) 50%</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing activity and project activity aknowledged until graduation.</li> </ul>
24	IV	Composite Steel-concrete structures	<ul style="list-style-type: none"> <li>• Oral examination; <ul style="list-style-type: none"> <li>- 2 theoretical questions x 4p</li> <li>- 1 theoretical question+ 1practical question = 2x1p (for final mark)</li> </ul> </li> <li>• 2 examiners</li> <li>• Evaluation criteria: answer accuracy, the way of approaching answer, the capacity to understand constructional solutions</li> <li>• Mark 5: -theory: answering in a proportion of 50% the main 2 theoretical questions <ul style="list-style-type: none"> <li>-project: acheaving and defending in an acceptable way the project plus minimum presence according to regulations <ul style="list-style-type: none"> <li>• Mark 10: obtaining maximum quotation to all questions</li> </ul> </li> </ul> </li> <li>• Room programmed by dean's office</li> </ul>	<ul style="list-style-type: none"> <li>• The ongoing activity represents a weight of 50% in the final mark</li> <li>• The quotation for ongoing activity granted (40%) for activity during semester time and defense of the project (60%)</li> <li>• Quotation aknowledged until graduation</li> </ul>

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25	IV	Technology 2	<ul style="list-style-type: none"> <li>• Written exam</li> <li>• 2 internal examiners</li> <li>• 1 question for each chapter</li> <li>• The weight of the applications (L) in the final mark is 34%</li> <li>• Mark 5 obtained for an acceptable answer to each question, passing the application activity (L) and adequate frequency at course</li> <li>• Mark 10 obtained for accomplishing at a proportion of .90% the 3 criteria</li> <li>• Room programmed by dean's office</li> </ul>	<ul style="list-style-type: none"> <li>• Partial examination with a weight of 50% in the final paper quotation</li> <li>• Periodic assesment of application subjects</li> <li>• Quotation aknowledged until graduation</li> </ul>
26	IV	Optional 4 Special Techniques in foundation Engineering	<ul style="list-style-type: none"> <li>• Written exam</li> <li>• 2 internal examiners</li> <li>• Written paper on 3 theoretical subjects</li> <li>• Mark 5 for answering at a proportion of 50% to all 3 theoretical questions,</li> <li>• Mark 10 for answering at a proportion of more than 90% to all 3 theoretical questions</li> <li>• Project quotation weight in the final mark ( Np) is of 33%</li> <li>• Room programmed by dean's office</li> </ul>	<ul style="list-style-type: none"> <li>• Examination by 2 test papers in the week 7 and week 14 (N1,N2)</li> <li>• Final quotation <math>N_f = (N_1 + N_2 + N_p) / 3</math></li> <li>• All quotations aknowledged until graduation</li> </ul>
27	IV	Diploma work	<ul style="list-style-type: none"> <li>• Graduation of licence study via an exam consisting of: <ul style="list-style-type: none"> <li>- 1 test to check specialty fundamental knowledge</li> <li>- 1 test to defend a project , called diploma project</li> </ul> Access to second test depends on passing the first test </li> <li>• Examination by a comission of 5 members</li> <li>• Graduation only by passing both tests</li> <li>• Room programmed by dean's office</li> </ul>	<ul style="list-style-type: none"> <li>• Diploma project finished and not defended may be aknowledged by reprogramming licence (graduation) examination</li> </ul>