

Doc. 300.1.2

Date: 09.10.2023

Higher Education Institution's Response

- **Higher Education Institution:**
Neapolis University Pafos
- **Town:** Pafos
- **Programme of study**
Name (Duration, ECTS, Cycle)

In Greek:

Μεταπτυχιακό στην Ανθεκτικότητα των Κατασκευών σε Ακραίες Συνθήκες Φόρτισης (3 ακαδημαϊκά εξάμηνα, 90 ECTS, Μεταπτυχιακό)

In English:

MSc in Structural Robustness for Extreme Loading Conditions (3 academic semesters, 90 ECTS, Postgraduate)

- **Language(s) of instruction:** English and Greek
- **Programme's status:** Currently Operating
- **Concentrations (if any):**

In Greek: -

In English: -



The present document has been prepared within the framework of the authority and competencies of the Cyprus Agency of Quality Assurance and Accreditation in Higher Education, according to the provisions of the “Quality Assurance and Accreditation of Higher Education and the Establishment and Operation of an Agency on Related Matters Laws” of 2015 to 2021 [L.136(I)/2015 – L.132(I)/2021].

A. Guidelines on content and structure of the report

- *The Higher Education Institution (HEI) based on the External Evaluation Committee's (EEC's) evaluation report (Doc.300.1.1 or 300.1.1/1 or 300.1.1/2 or 300.1.1/3 or 300.1.1/4) must justify whether actions have been taken in improving the quality of the programme of study in each assessment area. The answers' documentation should be brief and accurate and supported by the relevant documentation. Referral to annexes should be made only when necessary.*
- *In particular, under each assessment area and by using the 2nd column of each table, the HEI must respond on the following:*
 - *the areas of improvement and recommendations of the EEC*
 - *the conclusions and final remarks noted by the EEC*
- *The institution should respond to the EEC comments, in the designated area next each comment. The comments of the EEC should be copied from the EEC report **without any interference** in the content.*
- *In case of annexes, those should be attached and sent on separate document(s). Each document should be in *.pdf format and named as annex1, annex2, etc.*

1. Study programme and study programme's design and development (ESG 1.1, 1.2, 1.7, 1.8, 1.9)

Areas of improvement and recommendations by EEC	Actions Taken by the Institution	For Official Use ONLY
<p>If the effects of climate change on infrastructure systems is a primary focus, this should be contextualized more evidently in the curriculum. Currently, there does not seem to be any pertinent courses on this as Climate change is much more than earthquakes, blast and fire. This should be reflected into potentially new faculty/lecturers that should join the programme.</p>	<p>The effects of climate change on infrastructure systems are not currently a primary focus, and this is the reason why this issue is not contextualized evidently in the curriculum. The primary focus of the Programme is structural robustness for extreme loading conditions that mainly result from the actions of earthquake, blast and fire. One of the courses of the Programme focuses on strengthening and rehabilitation of aging structures, but the focus is still on damage caused by seismic actions.</p> <p>However, due to several recent incidents of building damage due to the effects of corrosion in Cyprus, further attention may need to be paid to this problem in the near future. The Department is already actively involved in the study of this problem, as a relevant research programme coordinated by Dr. Anthos Ioannou (Lecturer of the Department) is currently in progress. Dr. Iosif Kapellakis (also a Lecturer of the Department) may also contribute based on his expertise in the field of Environmental Engineering.</p>	<p>Choose level of compliance:</p>
<p>There should be more formal procedures developed to assist students who may not have the full spectrum of technical prerequisites to advance in the program. A preparatory semester may be necessary in this case.</p>	<p>The Department will adopt from now on the following procedures:</p> <ul style="list-style-type: none"> - Provided the number of students in need of preparatory courses is not greater than 3, these students will be asked to attend specific undergraduate courses offered by the department in parallel to their postgraduate studies. - When at least 3 students need to attend preparatory courses, then a number of short courses will be offered prior to the beginning of the MSc Programme. Students will still be able to use the first option instead, so the short preparatory courses will only be offered if there is a group of at least 3 students. 	<p>Choose level of compliance:</p>

	<p>In either case, the preparatory courses will mainly cover the basic concepts of Structural Analysis, Structural Dynamics, Design of Concrete Structures and Design of Steel Structures.</p>	
<p>The program appears to put emphasis on retrofitting of existing structures and use this module to facilitate a comprehensive appreciation of effects across different types of extreme loads, which is an important component; however, this is not conveyed well in the current program description. This perhaps relates to the further re-balancing the coherence of the programme.</p>	<p>The course “SRELC501 Retrofitting of Structures” has essentially replaced the original course “SRELC501 Structural Robustness” and, in its present improved form, aims to both introduce the basic concepts of structural robustness, e.g. including progressive and disproportionate collapse, alternative load path, notional column removal, threat-dependent local damage, collapse triggering actions, key elements, tying resistance, etc., and teach the main methods and intervention systems for upgrading structural performance.</p> <p>As the Programme is still in its first year of operation, minor modifications/improvements are still made in the syllabi of the courses. In this respect, the syllabus of this specific course has further been improved to better illustrate the above described intended content.</p>	<p>Choose level of compliance:</p>
<p>There should be more established evaluation criteria for admission for the future case where the number of applicants will exceed the target number of places. Such procedures should be clear to potential applicants.</p>	<p>The following admission criteria will be adopted:</p> <ul style="list-style-type: none"> - Firstly, priority will be given to graduates of the Department’s BSc Programme. - Secondly, graduates of highly ranked universities with excellent academic performance in a structural engineering related programme will be highly prioritized. - Thirdly, students with excellent academic performance graduated from lower ranked universities and/or from different specialization study programmes will also be given high priority. - Finally, professional engineers with significant work experience who wish to return to university education to acquire specific further knowledge and skills will also be highly prioritized. <p>The requirements related to the above criteria will be made publicly available through the Study Guide of the Programme.</p>	<p>Choose level of compliance:</p>



ΦΟΡΕΑΣ ΔΙΑΣΦΑΛΙΣΗΣ ΚΑΙ ΠΙΣΤΟΠΟΙΗΣΗΣ ΤΗΣ ΠΟΙΟΤΗΤΑΣ ΤΗΣ ΑΝΩΤΕΡΗΣ ΕΚΠΑΙΔΕΥΣΗΣ
CYPRUS AGENCY OF QUALITY ASSURANCE AND ACCREDITATION IN HIGHER EDUCATION



2. Student – centred learning, teaching and assessment (ESG 1.3)

Areas of improvement and recommendations by EEC	Actions Taken by the Institution	For Official Use ONLY
<p>There is good practice in encouraging active teaching-learning feedback process through flexible arrangement of consultation. Nonetheless, it would be good to allocate specific time slots at individual course level to ensure availability of teaching staff and encourage good practice in time management in the learning process.</p>	<p>Each instructor should allocate at least 6 office hours per week according to the Department's policy. These are communicated to students in written form, as they are posted both on the course page in Moodle and on the instructor's office door.</p> <p>However, since the MSc courses are delivered during the weekends, additional weekend office hours between the morning and afternoon lectures (i.e., on Saturdays and Sundays) will be allocated especially for the MSc students from now on.</p>	<p>Choose level of compliance:</p>
<p>Also the mechanisms of formative feedback throughout the semester should be explicitly stated at individual course level to ensure students' awareness and consistency of practice across the board.</p>	<p>The syllabi of the courses are announced to students from the beginning of the semester. In accordance with the Departmental and University policy, formative evaluation methods employed in each course should be explicitly described in the syllabi (e.g., methods of formative assessment, weight of formative assessment grades, etc.).</p> <p>In the first year of operation, there may have been some deviations from the planned formative assessment methods, but this was only a part of the overall adaptation to the actual needs and demands of the courses. Such deviations will be significantly reduced as the program matures further.</p>	<p>Choose level of compliance:</p>
<p>It is clear that teaching staff are well positioned to deal with ongoing difficulties due to issues such as sickness that may have affected a coursework submission. It would be good to have a standardised process to address such special circumstances, which may also have affected a student's ability to demonstrate their learning achievement.</p>	<p>The university already has specific rules regarding a student's justifiable inability to submit an assignment on time or attend a scheduled written exam. This requires the timely submission of appropriate supporting documentation (e.g., medical certificate) in order to be given a second opportunity without incurring any cost to the student's grade.</p> <p>However, particular attention will be given from now on, so that this policy will be explicitly highlighted in the Study Guide of the Programme.</p>	<p>Choose level of compliance:</p>

3. Teaching staff (ESG 1.5)

Areas of improvement and recommendations by EEC	Actions Taken by the Institution	For Official Use ONLY
<p>Potentially consider hiring a temporary faculty member first in the general area of climate / extreme loading conditions for proper quantitative assessment of the loading site.</p>	<p>At present, 5 full-time members of the Department and 2 visiting members are involved in the Programme. This satisfies the maximum allowable ratio of 30% that can be allocated to visiting members.</p> <p>This specific issue raised by the EEC is essentially covered by the responses given to the first and third comments made in Section 1. That is, the general area of extreme loading conditions is covered by the course “SRELC501 Retrofitting of Structures”, while the effects of climate changes will probably form an integral part, but not the major subject of the Programme in the upcoming years. Both the general area of extreme loading conditions and the effects of climate change can be covered by the members of the Department as explained previously, but an additional temporary faculty member will be hired should the need arises as the Programme is being developed.</p>	<p>Choose level of compliance:</p>
<p>Similar to the undergraduate programme, It would help to establish relationships (formal agreements) with public universities and pertinent laboratory facilities along with training activities to assist young faculty to further develop their research path. This could effectively assist their teaching.</p>	<p>The suggestion to establish formal agreements with public and private institutions, so that the academic personnel will be able to use their research facilities, seems to be a very good idea and has been taken seriously by the University’s as well as the Department’s administration. In fact, the University’s Research Department is in discussion with the Cyprus University of Technology and the ERATOSTHENES Centre of Excellence on this matter. In addition, through the signed MOUs with companies and industries, the possibility of using their research laboratories is widely available. The Athinodorou Beton Ltd laboratories and the ΔHNEMA Laboratories Ltd (company performing quality control of structural materials – see Invoice 3) have already been used for research purposes.</p>	<p>Choose level of compliance:</p>
<p>Further develop facilities (e.g., classrooms and laboratories) on</p>	<p>In fact, the Departments of Architecture and Civil Engineering do not face any space problem so far, since they use almost exclusively two Architectural</p>	<p>Choose level of compliance:</p>

<p>campus to support architecture and civil engineering students.</p>	<p>Studios of capacity 70 students each and two classrooms of its own, one in Engineering Labs of capacity 70 students and one in CADLab of capacity 24 students (see <i>Figure 1</i>). However, with two new classrooms of total capacity 140 students delivered at the end of August (see <i>Figure 2</i>) and the new 200m² Informatics Lab on the top of the Engineering Labs completed in mid-October (see <i>Figure 3</i>), the classroom and laboratory spaces will be sufficient even for the case of a rapid increase in intake students.</p>	
<p>As discussed, each faculty teaches, on average, 3 courses per week (9h lecture time per week). This should be re-balanced in a longer term to ensure current faculty can increase their research output. This could be achieved by hiring 2-3 additional faculty members in key thematic areas.</p>	<p>It is a standing University policy that academic staff, who do not have significant administrative duties, engage in an average of 3 courses per semester, corresponding to 9 hours lecture time per week. The University considers that the balance between teaching and research time is ensured in this way.</p> <p>Moreover, given the current low student to faculty ratio in the Department (7/1), the teaching load of the faculty is not considered as excessive at present. However, there is a strategic planning so that, with the expected increase in intake students, e.g. in English-speaking intake students, but also with the development of new programmes, the Department will seek and elect additional faculty members in key thematic areas to meet the teaching needs.</p>	<p>Choose level of compliance:</p>

4. Student admission, progression, recognition and certification (ESG 1.4)

Areas of improvement and recommendations by EEC	Actions Taken by the Institution	For Official Use ONLY
<p>As the number of students admitted in the MSc grows, the faculty should define a policy that will be made publicly available regarding what happens in the following case:</p> <p>A student admitted who lacks some of the core concepts needed to follow all the courses in the MSc. For example, a student with a background in civil Engineering who however has not taken courses in Reinforced Concrete or other courses related to Structural Engineering. The Department can decide if such students will take a preparation semester before starting the MSc or if they would need to take such courses in parallel to the other courses. Whatever the decided policy will be it should be included as part of the studies guide.</p>	<p>The Department will henceforth adopt a specific policy in such cases, as detailed in Section 1. This policy will also be published in the Programme Study Guide, so students affected by this problem will be aware of their options according to the procedures followed in such cases.</p>	<p>Choose level of compliance:</p>
<p>As the number of students admitted in the MSc grows, the faculty should define a policy that will be made publicly available regarding what happens in the following case:</p> <p>The practices over which selection of students will be made if the number of eligible candidates exceeds the available positions should be included in the studies guide.</p>	<p>As described in Section 1 (last comment), the Department has now established specific admission criteria, based on which candidate students will be prioritized and selected. Corresponding admission requirements will be made publicly available through the Programme Study Guide.</p>	<p>Choose level of compliance:</p>

5. Learning resources and student support (ESG 1.6)

Areas of improvement and recommendations by EEC	Actions Taken by the Institution	For Official Use ONLY
<p>While what is currently done for international students appears to work reasonably well, there is some room for improvement in terms of the lectures. Those students should be offered lectures in English even when there is only one attending a class. Perhaps the use of recorded lectures in English could help in this direction.</p>	<p>It is a policy of the Department that an English-speaking separate class is formed only if there are more than 3 English-speaking students enrolled. Indeed, the mixed class operation, with tutorial hours and availability of lecture notes, exercises, examples, quizzes, assignments, exams, emails, messages, forums also in English, seems to work sufficiently so far.</p> <p>The solution of using recorded lectures in English, as suggested by the EEC, will also be employed from now on. Such recorded lectures are already available, as the Programme was mainly taught in English during its first year of operation (although some explanations were also given in Greek due to the presence of several Greek students), and all those lectures were recorded.</p> <p>However, particular attention will be paid to the preparation of new recordings, especially adapted to the needs of foreign students, which will be particularly useful when the lectures are mainly delivered in Greek in case a significant majority of Greek students attend the Programme.</p>	<p>Choose level of compliance:</p>
<p>A computer lab and a teaching room with computers should be added. The University has a growth plan and hence should support the Department with more teaching rooms, and the addition of larger rooms.</p>	<p>In fact, the Department of Civil Engineering does not face any space problem so far, since it uses almost exclusively two classrooms of its own, one in Engineering Labs of capacity 70 students and one in CADLab of capacity 20 students (see <i>Figure 1</i>). However, with two new classrooms of total capacity 140 students delivered at the end of August (see <i>Figure 2</i>) and the new 200m² Informatics Lab on the top of the Engineering Labs completed in mid-October (see <i>Figure 3</i>), the classroom and laboratory spaces will be sufficient even for the case of a rapid increase in intake students.</p>	<p>Choose level of compliance:</p>
<p>The Department should be supported in terms of obtaining new equipment for teaching and research in the current labs.</p>	<p>The Department's administration in collaboration with the Engineering Laboratories director has drawn up a specific development policy. That is, through a specific fund in the annual budget of the Department, the purchase of new equipment, devices and consumables will be gradually ensured, so that new laboratories can</p>	<p>Choose level of compliance:</p>

	<p>be established, such as Fluid Mechanics Lab, Environment and Energy Lab, Geomechanics Lab, etc. (see <i>Invoice 1</i> & <i>Invoice 2</i>), as well as the existing laboratories to be further developed (Concrete Technology Lab - see <i>Invoice 3</i>).</p>	
<p>The Department and University can consider how to further support international students in terms of easing the transition from the MSc to the job market (since the current visa requirements make this challenging). Obviously there are limitations in what the University and the Department can actually do regarding visa matters.</p>	<p>This is a matter for the Government and the university is not in a position to take any action on this particular problem.</p>	<p>Choose level of compliance:</p>

6. Additional for doctoral programmes (ALL ESG)

Areas of improvement and recommendations by EEC	Actions Taken by the Institution	For Official Use ONLY
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7. Eligibility (Joint programme) (ALL ESG)

Areas of improvement and recommendations by EEC	Actions Taken by the Institution	For Official Use ONLY
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B. Conclusions and final remarks

Conclusions and final remarks by EEC	Actions Taken by the Institution	For Official Use ONLY
<p>One aspect of improvement may be hiring of new faculty who may be specializing on climate change (demand side) so as this can become a more natural aspect of the programme, which primarily focuses on extreme loading but with emphasis on blast, fire and earthquake actions.</p>	<p>At present, 5 full-time members of the Department and 2 visiting members are involved in the Programme. This satisfies the maximum allowable ratio of 30% that can be allocated to visiting members. The general area of extreme loading conditions is covered by the course “SRELC501 Retrofitting of Structures”, while the effects of climate changes will probably form an integral part, but not the major subject of the Programme in the upcoming years. Both the general area of extreme loading conditions and the effects of climate change can be covered by the members of the Department, but an additional temporary faculty member will be hired should the need arises as the Programme is being developed.</p>	<p>Choose level of compliance:</p>
<p>Moreover, there should be more formal procedures developed to help students who are transferred or have a broader engineering background to ensure a seamless transition to the particular focus of the MSc programme, which is considered unique in Cyprus and nearby regions.</p>	<p>Regarding the cases of students who may not have the full spectrum of technical prerequisites to advance in the program, the Department will adopt the following procedures:</p> <ul style="list-style-type: none"> - Provided the number of students in need of preparatory courses is not greater than 3, these students will be asked to attend specific undergraduate courses offered by the department in parallel to their postgraduate studies. - When at least 3 students need to attend preparatory courses, then a number of short courses will be offered prior to the beginning of the MSc Programme. Students will still be able to use the first option instead, so the short preparatory courses will only be offered if there is a group of at least 3 students. <p>In either case, the preparatory courses will mainly cover the basic concepts of Structural Analysis, Structural Dynamics, Design of Concrete Structures and Design of Steel Structures.</p>	

<p>Finally, there should be more established evaluation criteria for admission for the future case where the number of applicants will exceed the number of available positions. Such procedures should be clear to potential applicants.</p>	<p>The following evaluation criteria for admission for the future case where the number of applicants will exceed the number of available positions will be adopted:</p> <ul style="list-style-type: none"> - Firstly, priority will be given to graduates of the Department's BSc Programme. - Secondly, graduates of highly ranked universities with excellent academic performance in a structural engineering related programme will be highly prioritized. - Thirdly, students with excellent academic performance graduated from lower ranked universities and/or from different specialization study programmes will also be given high priority. - Finally, professional engineers with significant work experience who wish to return to university education to acquire specific further knowledge and skills will also be highly prioritized. <p>The requirements related to the above criteria will be made publicly available through the Study Guide of the Programme.</p>	
<p>The expansion of facilities, classrooms and laboratories will enhance both the opportunities for effective learning, teaching as well as research, which appears to be a concern of existing faculty members. These are comprised of primarily lecturers who firmly believe that have a clearly established career development plan and opportunities to grow within the university. Though, access to research funds is perhaps limited and should be strengthened via the establishment of a small research fund that could aid access to facilities as well as testing equipment, which seems to be necessary for maintaining the high quality of teaching activities and the creation of future research</p>	<p>The Department does not face any space problem so far, since it uses almost exclusively two classrooms of its own, one in Engineering Labs of capacity 70 students and one in CADLab of capacity 24 students (see <i>Figure 1</i>). However, with two new classrooms of total capacity 140 students delivered at the end of August (see <i>Figure 2</i>) and the new 200m² Informatics Lab on the top of the Engineering Labs completed in mid-October (see <i>Figure 3</i>), the classroom and laboratory spaces will be sufficient even in the case of a rapid increase in intake students.</p> <p>The idea of establishing agreements for access to facilities as well as testing equipment has been taken seriously by the University's as well as the Department's administration. In fact, the University's Research Department is in discussion with the Cyprus University of Technology and the ERATOSTHENES Centre of Excellence on this matter. In addition, through the signed MOUs with companies and industries, the possibility of using their research laboratories is widely available. The</p>	<p>Choose level of compliance:</p>

<p>activities that could eventually inform more effective teaching.</p>	<p>Athinodorou Beton Ltd laboratories and the ΔHNEMA Laboratories Ltd (company performing quality control of structural materials) have already been used for research purposes.</p>	
<p>Areas for improvement in terms of student learning experiences could include: arrange allocated time slots for consultation for each course; consider innovative approaches to overcoming the shortfall in availability of experimental facilities for research oriented projects – for example possible collaboration with other institutions in nearby regions.</p>	<p>Regarding the first point, each instructor should allocate at least 6 office hours per week according to the Department’s policy. These are communicated to students in written form, as they are posted both on the course page in Moodle and on the instructor’s office door. However, since the MSc courses are delivered during the weekends, additional weekend office hours between the morning and afternoon lectures (i.e., on Saturdays and Sundays) will be allocated especially for the MSc students from now on.</p> <p>Regarding possible innovative approaches to overcoming the shortfall in availability of experimental facilities, the Department is in discussion with the Cyprus University of Technology and the ERATOSTHENES Centre of Excellence on this matter. In addition, through the signed MOUs with companies and industries, the possibility of using their research laboratories is widely available. The Athinodorou Beton Ltd laboratories and the ΔHNEMA Laboratories Ltd (company performing quality control of structural materials) have already been used for research purposes.</p>	<p>Choose level of compliance:</p>
<p>Perhaps the only consideration that the University and Department can make in this area is regarding international students. Such students should be offered the opportunity to have lectures in English. Perhaps recorded lectures can help in this direction.</p>	<p>Recorded lectures are already available, as the Programme was mainly taught in English during its first year of operation (although some explanations were also given in Greek due to the presence of several Greek students), and all those lectures were recorded. However, particular attention will be paid to the preparation of new recordings, especially adapted to the needs of foreign students, which will be particularly useful when the lectures are mainly delivered in Greek in case a significant majority of Greek students attend the Programme.</p>	<p>Choose level of compliance:</p>
<p>The labs are adequate and allow for teaching but there was an identified need for their expansion and the addition of new equipment. As the University and Department plan to</p>	<p>When the new 200 m² Informatics Laboratory, equipped with modern hardware, will be completed in mid-October, the computer laboratory spaces and their equipment will be more than sufficient. On the other hand, moving the Informatics Laboratory</p>	<p>Choose level of compliance:</p>

<p>expand, the University should help the Department in planning for additional teaching spaces and the addition of larger teaching spaces. The University should also accommodate such an expansion by increasing the size of the Library.</p>	<p>outside the library will create extra free space, improving the functionality in the library.</p> <p>It must be emphasized here that there is a clear strategic planning in Neapolis University, so that any Departmental expansion is followed by an increase in the necessary rooms, laboratories, equipment and of course the administrative and academic staff.</p>	
<p>Perhaps something that can be considered further is the addition of means to support students in their visa application.</p>	<p>This is a matter for the Government and the university is not in a position to take any action on this particular problem.</p>	
<p>As the numbers of applicants grow, the faculty should make a formal policy on selection criteria that is included in the website. The Department should consider aspects of diversity in such criteria in accordance with their general policies on the matter. The Department should also formalize their policy for students who need additional courses from the Bachelors before they can attend the offered courses of the MSc.</p>	<p>Selection criteria will apply in this case as described above. These criteria will be made publicly available through the Study Guide and the University's website.</p> <p>Specific options will also offered to students who may need additional courses from the Bachelors before they can attend the MSc courses, as described previously. These options will also be made publicly available through the Study Guide and the website.</p>	

C. Appendices



Figure 1: Exclusively used Classrooms in Engineering Labs and CADLab.



Figure 2: Two new classrooms under construction (total area: 220 m² – total capacity: 140 people).



Figure 3: The Engineering Laboratories and the New Informatics Laboratory (iLab).



Invoice 1: Invoice for Concrete Technology and Geomechanics Laboratory Equipment Order.

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MESSRS: Neapolis University Pafos
Cyprus

Date: 26.06.2023
Tel: 35726843300

PROFORMA INVOICE N# 062/B/06/2023/ MATEST-ITALY/R2

ITEM	REF.	Description	UP/EURO	QTY	UP/ EURO
E.1	C130N	COMPRESSOMETER FOR CYLINDERS DIA. 150, 160 MM	827.00	1	827.00
	C133	COMPRESSOMETER-EXTENSOMETER FOR C130N	748.00	1	748.00
E.2	C131N1	COMPRESSOMETER FOR CYLINDERS DIA. 100, 112,8 MM	502.00	1	502.00
	C133-01	COMPRESSOMETER-EXTENSOMETER FOR C131N1	445.00	1	445.00
E.3	S336-11	TRANSDUCER TYPE "A" TRAVEL: 10 MM	319.00	2	638.00
	S337-51	DISPLACEMENT TRANSDUCER CALIBRATION	108.00	2	216.00
r	S334N	CYBER-PLUS 8 CHANNELS EXPANDABLE TO 16	1688.00	1	1688.00
F.1	C161	DRUM TYPE MIXER 130 LITRES, 230V 50-60HZ	650.00	1	650.00
F.2	C182-KIT	SLUMP CONE, GALVANIZED, COMPLETE SET	155.00	1	155.00
F.4	C304	CURING TANK, STEEL, 1000 LITRE	1472.00	1	1472.00
F.4.1	C304-01	THERMOSTAT, ANALOGIC HEATING FOR C304, C302-10	321.00	1	321.00
F.4.2	C306-02	SUMMERSIBLE PUMP FOR WATER CIRCULATION	89.00	1	89.00
F.5	C223	CUBE MOULD 150MM PLASTIC, MATEST	27.00	3	81.00
F.5.1	C234-03	STOPPER FOR C223, C224, C228, C229, C230N (10 PCS)	3.00	1	3.00
F.6	C228-01	CYLINDER MOULD, PLASTIC, DIA. 100X200MM	59.00	3	177.00
	C228	CYLINDER MOULD, PLASTIC, DIA. 150X300 MM	70.00	3	210.00
F.7	C237	PLASTIC BEAM MOULD 100X100X500 MM	84.00	3	252.00
F.7.1	C235-01	STOPPER FOR C235, C237, C238, C232 (10 PCS)	5.00	1	5.00
	A005-01-KIT	OVEN 100 LITRES, FORCED VENTILATION	1950.00	1	1950.00
	V182-13	PAN 420X305X60MM STAINLESS STEEL	41.00	1	41.00
	V184	SCOOP, ROUND, ALUMINIUM 500 ML	12.00	1	12.00
	A059-02-KIT	SIEVE SHAKER, ELECTROMAGNETIC DIA 315 MM	1626.00	1	1626.00
	V179-02	SIEVE BRUSH BRASS/NYLON	26.00	1	26.00





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A052-07	SIEVE DIA. 200 MM OPENING 0,075 MM	85.00	1	85.00
A052-24	SIEVE DIA. 200 MM OPENING 0,425 MM	85.00	1	85.00
A052-37	SIEVE DIA. 200 MM OPENING 2,000 MM	85.00	1	85.00
A052-44	SIEVE DIA. 200 MM OPENING 4,750 MM	85.00	1	85.00
A052-58	SIEVE DIA. 200 MM OPENING 19,0 MM	85.00	1	85.00
A052-72	SIEVE DIA. 200 MM OPENING 75,0 MM	85.00	1	85.00
V075-22	DIGITAL PLATFORM SCALE 300 KG X 10 G	783.00	1	783.00
V071-11	DIGITAL BALANCE 4200G X 0,01 G	992.00	1	992.00
C106	FLEXURAL DEVICE ON CONCRETE BEAMS	986.00	1	986.00
C101-01	SPLITTING TENSILE DEVICE DIA. 100 TO 160 MM	473.00	1	473.00
S155-01	HYDROMETER JAR, 1000 ML CAPACITY	73.00	1	73.00
V172	HYDROMETER 0,995 TO 1,038 G/ML - 151H	27.00	1	27.00
V172-02	HYDROMETER -5 +60 G/LITRE - 152H	32.00	1	32.00

TOTAL EXCLUDING VAT	€ 16,010.00
Discount (5%)	€ 800.50
TOTAL BEFORE VAT	€ 15,209.50

N.B: VAT WILL BE ADDED AT TIME OF ORDER CONFIRMATION AND INVOICING

VALIDITY: ONE MONTH

DELIVERY : 3 TO 4 MONTHS (to be confirmed at time of order)

Due to the global COVID-19 pandemic, please note that the delivery date stated on our offer may alter and is only an indication .

We appreciate your patience at the current time.

PAYMENT: 50% ADVANCE PAYMENT AND BALANCE WITH HE RECEIPT OF GOODS

MANY THANKS
 ROGER LAHAM

OPERATION MANAGER





Invoice 2: Invoice for Fluid Mechanics Laboratory Equipment Order.

M&S BRIGHT INDUSTRY LTD
ANGEL'S MANSION 206
KITI - CYPRUS
TEL: +357 96 011554
Email: sales@bright-industry.com
www.bright-industry.com



M&S Bright Industry

REVISED OFFER

MESSRS: Neapolis University Pafos
Cyprus

Date: 20.07.2023
Tel: 35726843300

PROFORMA INVOICE N# 063/B/07/2023/LUTRON/
CAMLAB/ ARMFIELD/R1

ITEM	REF.	Description	UP/EURO	QTY	UP/ EURO
		<u>Items 1 to 5 are from LUTRON, TAIWAN</u>			
1	BPH-241SD	pH/ORP Meter	207.00	1	207.00
2	PH-04	PH4 Solution	9.00	1	9.00
3	PH-07	PH7 Solution	9.00	1	9.00
4	PDO-520	Dissolved Oxygen Meter	171.00	1	171.00
5	YK-22CTA	Conductivity/TDS/SALT Meter	156.00	1	156.00
		<u>Items 6 is from CAMLAB, UK</u>			
6	EP/3123000918	Eppendorf Research plus 3-pack, single-channel, variable, incl. epT.I.PS. Box or sample bag	1073.00	1	1073.00
		<u>Items 8 and 9 are from ARMFIELD, UK</u>			
7	F1-15	Digital Hydraulics Bench with Flow Meter	3893.00	1	3893.00
8	F1-10-2-A	Bernoulli's Theorem Demonstration	1367.00	1	1367.00
		Training			FOC
		TOTAL IN EURO			6885.00
		LESS SPECIAL DISCOUNT 2%			137.70
		TOTAL IN EURO (AFTER DISCOUNT)			6747.30

N.B: VAT WILL BE ADDED AT TIME OF ORDER CONFIRMATION AND INVOICING

VALIDITY: ONE MONTH

DELIVERY : 3 TO 4 MONTHS (to be confirmed at time of order)

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We appreciate your patience at the current time.

PAYMENT: 50% ADVANCE PAYMENT AND BALANCE WITH HE RECEIPT OF GOODS

MANY THANKS
ROGER LAHAM

OPERATION MANAGER



Invoice 3: Invoice for Testing Concrete Bending Strength in an External Laboratory.

ΔΗΝΕΜΑ ΕΡΓΑΣΤΗΡΙΑ ΛΤΔ

ΕΡΓΑΣΤΗΡΙΟ ΕΛΕΓΧΟΥ ΔΟΜΙΚΩΝ ΥΛΙΚΩΝ

ΗΛΕΙΑΣ 47, 3115 ΛΕΜΕΣΟΣ

ΤΗΛ: 25 575704 - ΚΙΝ: 99 458522 - ΦΑΞ: 25 770251 - email: denema@cytanet.com.cy

6878

Α.Φ.Τ. / Τ.Ι.Σ. 12103258 G
Φ.Π.Α. / V.A.T. 10103258 E

ΤΙΜΟΛΟΓΙΟΝ / INVOICE

Ο κ. ΠΑΝΕΠΙΣΤΗΜΙΟ ΝΕΑΠΟΛΗΣ

ΕΚ.

Ημερομηνία: 20-7-2023

Ποσότητα Quantity	Περιγραφή / Description	@	€	ΣΕΝΤ
14	Είς σχος Ανωχης 6ε Καταγη δοκιμων κυρο- στατου	15,0	210	ω
2				

ΟΛΙΚΟ / TOTAL	210	00
Φ.Π.Α. / V.A.T. 19%	39	90
ΣΥΝΟΛΟ / GRAND TOTAL €	249	90

Πωλητής / Seller

(Signature)

Παραλήπτης / Receiver

D. Higher Education Institution academic representatives

<i>Name</i>	<i>Position</i>	<i>Signature</i>
Prof. Pantelis Sklias	Rector	
John Bellos, Associate Professor	Head of the Department of Civil Engineering	
Solon Xenopoulos, Professor	Dean of School of Architecture, Engineering, Land and Environmental Sciences	
Panagiotis Stylianidis, Lecturer	Director of the MSc in Structural Robustness for Extreme Loading Conditions	
Click to enter Name	Click to enter Position	

Date: 09.10.2023

