

## Minutes

Faculty Council of the Faculty of Science, Forestry and  
Technology

Meeting No 6/2024

Meeting date 19 June 2024

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**Date and time** 19 June 2024, 13.00-14.27

**Place** Joensuu M302, Kuopio SN101 and Teams

<b>Participants</b>	<b>Role</b>	<b>Present at the items</b>
Members		
Lehtinen Kari	Dean, Chair	1-20
Hauta-Kasari Markku	1st Vice Dean, Vice Chair	1-20
Kukkonen Jussi	2nd Vice Dean	1-20
Hujala Teppo	Professor, member	1-20
Tuittila Eeva-Stiina	Professor, deputy member	
Lehto Vesa-Pekka	Professor, member	
Kuittinen Markku	Professor, deputy member	
Jänis Janne	Professor, member	
Pumpanen Jukka	Professor, deputy member	
Berninger Frank	Professor, member	
Tedre Matti	Professor, deputy member	
Miettinen Pauli	Professor, member	1-20
Tuomela Jukka	Professor, deputy member	
Tanska Petri	Other staff, member	1-20
Haapala Antti	Other staff, deputy member	
Mononen Maini	Other staff, member	1-9 and 18-20
Turunen Mikael	Other staff, deputy member	
Virrantalo Tarja	Other staff, member	

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Kopra Juho	Other staff, deputy member	1-20
Pohjoismäki Jaakko	Other staff, member	1-20
Asikainen Mervi	Other staff, deputy member	
Vainikainen Hanne	Other staff, member	1-9 ja 18-20
Kumlin Timo	Other staff, deputy member	
Merruntaus Kati	Student, member	
Ahtonen Tiina	Student, deputy member	
Palkovuori Teemu	Student, member	1-9 ja 18-20
Törö Teemu	Student, deputy member	
Partanen Silja	Student, member	
Miettinen Mikko	Student, deputy member	1-9 ja 18-20
Jankova Simona	Student, member	1-9 ja 18-20
Rautiainen Kaisa	Student, deputy member	
Helvelahti Tomi	Student, member	1-9 ja 18-20
Sheng Li	Student, deputy member	1-9 ja 18-20
Hirvonen Arja	Executive Head of Administration, secretary, preparer	1-20
Other preparers		
Laitinen Kaisa	Head of Academic Affairs	
Merimaa-Piirainen Maarit	Head of Academic Affairs	1-20

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§ 1

### **Opening of the meeting**

The chair opened the meeting at 13.00.

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### § 2

#### **Legitimacy and presence of a quorum**

In accordance with the UEF University Regulations, meeting notices of a multi-member administrative organ must be sent at least seven days prior to the meeting, unless the administrative organ has decided otherwise.

The meeting notice was sent on 12 June 2024.

According to the UEF University Regulations, multi-member organs of the university have a quorum when at least half of the members, including the chair, are present. By the decision of the chair, a multi-member administrative organ can hold its meeting by email or, either fully or in part, via a video conference, telephone, or some other remote participation means. The chair has decided that the meeting be organised as a hybrid meeting: participation either in person or remotely (via Teams).

**Motion** The meeting is deemed lawful and quorate. The agenda is approved.

**Decision** As proposed. The order of items on the agenda was changed so that the items For information, Closing of the meeting and Translation of the agenda/minutes were placed after the supplementary items.

Record entry 4270/01.01.02/2023

Prepared by Arja Hirvonen

§ 3

**The Dean's proposal on the person to be appointed to the post of Professor, Mathematical Analysis. Hearing of the Faculty Council**

According to section 10 of the University Regulations of the University of Eastern Finland, the Dean shall make proposals to the Rector on the persons to be appointed to professorships with a term of two years or over, to permanent teaching and research positions compliant with the four-stage research career model, and to Tenure Track positions after hearing the Faculty Council.

The call for applications to the post of Professor in the field Mathematical Analysis ended on 29 December 2023. The following applicants submitted their application by the deadline: Centurioni Sante, Deng Dingqun, Diamantis Ioannis, Gumenyuk Pavel, Haimi Antti, Kecker Thomas, Kumar Hitesh, Käenmäki Antti, Liimatainen Tony, Lindberg Sauli, Naas Adjimi, Nazi Ghameshlou Arezoo, Parkonen Jouni, Prause Istvan, Rasila Antti, Virtanen Jani and Zhunussova Zhanat.

In accordance with section 31 of the Universities Act (558/2009), statements must be requested before the appointment on the qualification and merits of the applicants or the person to be invited to the post in question from a minimum of two experts when the person is being recruited for an employment relationship that will be effective until further

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notice or for a fixed period of at least two years. Sections 27–29 of the Administrative Procedure Act on disqualification shall be applied to the experts. Where required, the selection, scope of work and duties of the experts shall be defined in the UEF University Regulations.

Expert statements on the qualification and merits of the applicants were requested from the following persons, based on the Dean's decision of 29 February 2024: Professor Mikael Lindström, Åbo Akademi, Professor Walter Bergweiler, Kiel University, and Professor Kristian Seip, Norwegian University of Science and Technology. Expert statements are enclosed with this agenda item as appendices.

The Appointments Committee for Professor, Mathematical Analysis, consisted of the following persons: Dean Kari Lehtinen as Chair, Deputy Head of the Department of Physics and Mathematics Professor Risto Korhonen, Professor Jouni Rättyä from the Department of Physics and Mathematics, and Professor Ville Kolehmainen from the Department of Technical Physics as members, and Head of Administration Arja Hirvonen as Administrative Expert.

According to section 31 of the University Regulations of the University of Eastern Finland, a person to be appointed to a permanent professorship or to a professorship that lasts for over two years shall be scientifically or artistically qualified, have good teaching skills and, if important for the successful performance of their duties, have practical knowledge of the scope of the post.



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Based on the overall assessment, the Appointments Committee proposes that PhD, Docent Jani Virtanen be appointed to the post of Professor, Mathematical Analysis, as of 1 September 2024 or as agreed until further notice. The selection memorandum is enclosed with this agenda item as an Appendix. In summary, the Appointments Committee states that, taking account of the merits of PhD, Docent Jani Virtanen in scientific research, university-level education and other activities related to the field of the professorship, he has excellent preconditions to succeed in the post of Professor in question. The statements by external experts on Virtanen's qualifications and scientific merits to the post unanimously supported his appointment. PhD Docent Jani Virtanen has been exempted from the requirement to give a trial lecture on the basis of previous university-level teaching merits. It can be stated that he has the good teaching skills required by the post. Virtanen meets the language skills requirement set for the professorship. Virtanen's CV, teaching portfolio, and list of publications are enclosed with this agenda item as appendices.

The Dean's proposal to the Rector is that PhD Docent Jani Virtanen be appointed to the post of Professor, Mathematical Analysis, as of 1 September 2024, or as agreed.

**Motion** The Faculty Council will address the proposal on the person to be appointed to the post.

**Decision** As proposed.



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## Appendices

Appendix 1	Expert statement
Appendix 2	Selection memorandum, mathematical analysis
Appendix 3	Jani Virtanen's CV, teaching portfolio, and list of publications

Record entry 2221/01.01.03/2024

Prepared by Arja Hirvonen

§ 4

**The Dean's proposal on the person to be appointed to the post of University Lecturer, Mathematics. Hearing of the Faculty Council**

According to section 9 of the University Regulations of the University of Eastern Finland, the Faculty Council will discuss proposals regarding the scope and specifications of posts that comply with the four-stage career model of the faculty's permanent teaching and research staff and Tenure Track positions. The description of the post of University Lecturer, Mathematics, was approved at the Faculty Council meeting of the Faculty of Science, Forestry and Technology on 20 March 2024.

The post will be hosted by the Department of Physics and Mathematics at the Faculty of Science, Forestry, and Technology on the Joensuu campus.

An open call for applications was organised for the post. By the deadline of 29 February 2024, applications were submitted by Aghajani Asadollah, Artamonov Oleg, Benatar Jacques, Bilal Muhammad, Chakib Jerry, Cheng Hanz Martin, Covi Giovanni, Farhan Muhammad, Gröhn Janne, Guo Changyu, Hatefi Ehsan, Huusko Juha-Matti, Hänninen Timo, Häsä Jokke, Khan Muhammad Naveed, Kumar Hitesh, Mahato Hari Shankar, Miihkinen Santeri, Nune Pratyusha, Orelma Heikki, Orlich Milo, Peter Benjamin, Rasool Faiz, Shagaiya Daniel Yahaya and Turunen Joonas.

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Professor Risto Korhonen, Deputy Head of the Department of Physics and Mathematics, proposes in the summary of the selection memorandum that PhD Changhyu Guo be appointed to the vacant post as of 1 August 2024 until further notice. The Deputy Head of the Department, Professor Risto Korhonen and Professor Jouni Rättyä, who interviewed the applicants, propose that PhD Changhyu Guo be exempted from the requirement to give a trial lecture, taking into account his teaching experience.

The selection memorandum and Guo's CV, teaching portfolio, and list of publications are enclosed with the agenda item as appendices.

Persons to be appointed as University Lecturers must hold a suitable doctoral degree and have good teaching skills (University Regulations, section 31). The language of instruction in the post is English.

The Dean of the faculty has exempted PhD Changhyu Guo from the requirement to give a trial lecture on the grounds that he has sufficient practical experience in university-level teaching and, therefore, the good teaching skills required by the post of a university lecturer have been demonstrated.

PhD Changhyu Guo meets the qualification requirements of a university lecturer, as referred to in the UEF University Regulations, and the prerequisites laid down in the specifications of the post.

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The Dean of the faculty proposes to the Academic Rector that PhD Changhyu Guo be appointed to the post of University Lecturer, Mathematics, as of 1 August 2024 or as agreed until further notice.

**Motion** The Faculty Council will address the proposal on the person to be appointed to the post.

**Decision** As proposed.

### Appendices

Appendix 4	Selection memorandum University Lecturer mathematics
Appendix 5	Guo's CV
Appendix 6	Guo's teaching portfolio
Appendix 7	Guo's list of publications

Record entry 633/01.01.03/2024

Prepared by Arja Hirvonen

§ 5

**The Dean's proposal on the person to be appointed as a university lecturer in Computer Science. Hearing of the Faculty Council**

According to section 9 of the University Regulations of the University of Eastern Finland, the Faculty Council will discuss proposals regarding the scope and specifications of posts that comply with the four-stage career model of the faculty's permanent teaching and research staff and Tenure Track positions.

The description of the post of University Lecturer, Computer Science, was approved at the meeting of the Faculty Council of the Faculty of Science, Forestry and Technology on 22 February 2024.

The post will be hosted by the School of Computing at the Faculty of Science, Forestry and Technology on the Kuopio campus.

An open call for applications was organised for the post. A total of 31 applicants applied to the post by the deadline of 2 April 2024: A F M Saifuddin Saif, Aaron Andrew Mwakifwamba, Abdoul Rassaki, Ana Gebejes, Anum Malik, Aunas Manzoor, Aung Pyae, Bilal Zaka, Bilgin Aveno, Deebak Bakkiam David, Dr. M. Usman Ashraf, Ehsan Khoramshahi, Gaurav Aggarwal, Gulraiz Iqbal Choudhary, Hardikkumar Jayswal, Himat Shah, Jonas Oppenländer, Kshira Sahoo, Mahmoud Hassan, Meysam Abedi,

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Muhammad Faheem, Muhammad Marwan Muhammad Fuad, Muhammad Sohail Farooq, Muhammad Usman Sanwal, Noreen Akhtar, Paul Fiterau Brostean, Pekka Makkonen, Shahab Ud Din, Sunil Chaudhary, Tanesh Kumar and Teerath Das.

Head of the School of Computing, Professor Markku Tukiainen proposes in the summary of the selection memorandum that Doctor of Computer Science Muhammad Marwan Muhammad Fuad be appointed to the vacant post as of 1 August 2024 or as agreed until further notice. The Head of the Department, Professor Markku Tukiainen and University Lecturer Erkki Pesonen propose that Dr of Computer Science Muhammad Marwan Muhammad Fuad be exempted from the requirement to give a trial lecture, taking into account his extensive teaching experience.

The selection memorandum and Fuad's CV, teaching portfolio, and list of publications are enclosed with the agenda item as appendices.

Persons to be appointed as University Lecturers must hold a suitable doctoral degree and have good teaching skills (University Regulations, section 31). The language of instruction in the post is English.

The Dean of the faculty has exempted Dr of Computer Science Muhammad Marwan Muhammad Fuad from the requirement to give a trial lecture on the grounds that he has sufficient practical experience in university-level teaching and, therefore, the good teaching skills required by the post of a university lecturer have been demonstrated.

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Dr of Computer Science Muhammad Marwan Muhammad Fuad meets the qualification requirements of a University Lecturer referred to in the University Regulations and the prerequisites laid down in the specifications of the post.

The Dean of the faculty proposes to the Academic Rector that Dr of Computer Science Muhammad Marwan Muhammad Fuad be appointed to the post of University Lecturer, Computer Science, as of 1 August 2024 or as agreed until further notice.

**Motion** The Faculty Council will address the proposal on the person to be appointed to the post.

**Decision** As proposed.

### Appendices

Appendix 8	Selection memorandum University Lecturer Computer Science
Appendix 9	Muhammad Fuad's CV
Appendix 10	Muhammad Fuad's teaching portfolio
Appendix 11	Muhammad Fuad's a list of publications



Record entry No 2316/03.00.00/2024

Prepared by Maarit Merimaa-Piirainen

§ 6

### **Launch of the new courses in Technical Physics for the academic year 2024-2025**

According to section 9 of the UEF University Regulations, the Faculty Council shall decide, among others, on curricula. According to section 18 of the Education Regulations of the University of Eastern Finland, the curriculum of each degree programme must indicate, among others, the structure (including the courses and their scope) and requirements of the degree, and the desired learning outcomes, contents, evaluation methods and modes of teaching of the degree and its parts. According to section 6 of the Education Regulations, the Faculty Council will decide, within the scope of its educational responsibility, on the launch of a new major subject and shutting down of an existing one.

The proposals of the Department of Technical Physics for new and discontinued courses and the descriptions of the new courses for the academic year 2024–2025 are enclosed with this agenda item.

**Motion** The Faculty Council will approve the new and discontinued courses of Technical Physics of the curriculum for the academic year 2024–2025 in accordance with the appendices.

**Decision** As proposed.



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Appendix 12	Technical physics new and discontinued courses
Appendix 13	LS00DR69 Basic course in Mathematics I
Appendix 14	LS00DR70 Basic course in Mathematics II
Appendix 15	LS00DR71 Differential and integral calculus I
Appendix 16	LS00DS43 C language
Appendix 17	LS00DS48 AI for Technical Physics
Appendix 18	LS00DS49 Introduction to embedded systems
Appendix 19	LS00DS50 Exercise in Embedded systems
Appendix 20	LS00DS51 Embedded Systems

Dnro 3339/03.01.00/2023

Prepared by Maarit Merimaa-Piirainen

§ 7

**Deciding on the student admission criteria for the open university route, including the upper secondary school route, for studies taught in Finnish for 2025**

According to section 9(4) of the University Regulations of the University of Eastern Finland, the Faculty Committee will make decisions concerning student admission criteria.

In connection with the upper secondary school cooperation, a decision has been made at the Faculty of Science, Forestry and Technology to propose an open university route, including an upper secondary school route, to be opened in the following technology subjects: photonics, sustainable technologies and technical physics.

Enclosed are the student admission criteria and student intake for the open university route, including the upper secondary school route, for 2025: photonics, sustainable technologies and technical physics.

**Motion**

The Faculty Council confirms the study programmes, student intake and student admission criteria for the open university route, including the upper secondary school route, proposed by the Faculty for 2025, as set out in the Appendices. At the same time, the Faculty delegates any technical modifications that may be required to the Dean.



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**Decision** As proposed.

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- |             |   |
|-------------|---|
| Appendix 21 | Student admission criteria 2025, previous studies in Photonics                |
| Appendix 22 | Student admission criteria 2025, previous studies in Sustainable technologies |
| Appendix 23 | Student admission criteria 2025, previous studies in Technical Physics        |

Record entry No 4000/03.00.01/2024

Prepared by Maarit Merimaa-Piirainen

§ 8

**Guidelines and concepts related to the examination practices of the faculty's Bachelor's and Master's degree education**

The Faculty of Science, Forestry and Technology of the University of Eastern Finland has drawn up common guidelines and uniform concepts for exams. The guidelines and concepts will be adopted as of 1 August 2024 and will serve as more detailed instructions of the faculty in addition to the Education Regulations.

The guidelines for examinations are enclosed with this agenda item as an appendix.

**Motion** The Faculty Council approves the enclosed guidelines and concepts related to examination practices of the Faculty's Bachelor's and Master's degree education so that they will enter into force on 1 August 2024. At the same time, the Faculty Council delegates to the Dean any amendments and specifications concerning the guidelines.

**Decision** As proposed.

Appendices



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Appendix 24

The Faculty of Science, Forestry and Technology,  
Examination guidelines 6 June 2024

Record entry 288/00.00.02/2024

Prepared by Maarit Merimaa-Piirainen

§ 9

**Entry into force of the amendments to the Education Regulations at the Faculty of  
Science, Forestry and Technology**

The Board of the University of Eastern Finland approved the Education Regulations of the University at its meeting of 12 December 2023. Section 47 of the Education Regulations regulates as follows on the entry into force:

“These Education Regulations shall enter into force on 1 January 2024. Chapters I, II, III, IV, V, VII, VIII shall apply from 1 January 2024, however, sections 14 and 15 shall apply from 1 August 2024 and sections 18 and 26 shall apply from 1 August 2025 at the latest. Chapter VI shall apply from 1 August 2025 at the latest. Sections concerning the duties of the Vice Rector for Education shall apply from 1 January 2025.”

The provisions of the entry into force allow faculties to decide when Chapter VI, and sections 18 and 24 of the Education Regulations shall be applied at the faculty. The said provisions concern curricula, as compliance with them as of 1 August 2024 would cause major change needs in the individual course descriptions of the currently valid curricula.



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**Motion** Chapter VI and sections 18 and 24 of the Education Regulations shall apply at the Faculty as of 1 August 2025. These provisions shall be taken into account in the next round of curricula preparation and, where appropriate, in the standing orders of the Faculty or in the general section of the Faculty's curriculum.

**Decision** As proposed.



Dnro 86/03.04.09/2024

Prepared by Kaisa Laitinen

§ 10

### **Grading MSc Muhammad Arifi's doctoral dissertation in the field of Applied Physics**

According to section 9 of the UEF University Regulations, the Faculty Council grades doctoral dissertations. According to Section 18 of the standing orders of the Faculty of Science, Forestry and Technology on degrees and studies, doctoral dissertations are graded on the scale pass – pass with distinction.

MSc Muhammad Arif's doctoral dissertation and study [Dual-modal electromagnetic tomography for two-phase flows](#) was examined publicly on 24 May 2024. The opponent, Professor Manuchehr Soleimani (Department of Electronic & Electrical Engineering, University of Bath, United Kingdom) is in favour of the dissertation being approved as a thesis for a doctoral degree in Philosophy and proposes the grade Pass.

According to section 44 of the Universities Act (24.7.2009/558), before a doctoral dissertation is graded, the author must be given an opportunity to submit his or her response to the preliminary examiner's, the examiner's or the opponent's statement. The doctoral candidate has no comments on the doctoral statement, which is enclosed with this agenda item as an appendix.

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According to section 29 of the Universities Act (24.7.2009/558), a study attainment may be assessed only by those members or deputy members of a multi-member administrative body who have a degree or completed study attainments of an equivalent level or who have been appointed professors.

**Motion** Based on the statement, the Faculty Council grades MSc Muhammad Arifi's doctoral dissertation as Pass.

**Decision** As proposed.

### Appendices

Appendix 25 Statement by opponent Manuchehr Soleiman

Dnro 86/03.04.09/2024

Prepared by Kaisa Laitinen

§ 11

### **Grading MSc Gulraiz Choudhary's doctoral dissertation in the field of Computer Science**

According to section 9 of the UEF University Regulations, the Faculty Council grades doctoral dissertations. According to Section 18 of the standing orders of the Faculty of Science, Forestry and Technology on degrees and studies, doctoral dissertations are graded on the scale pass – pass with distinction.

MSc Gulraiz Choudhary's doctoral dissertation and study [Predicting disease onset and progression](#) was examined publicly on 4 June 2024. The opponent, Professor Tapio Pahikkala (Department of Computing, University of Turku) is in favour of the dissertation being approved as a thesis for a doctoral degree in Philosophy and proposes the grade Pass.

According to section 44 of the Universities Act (24.7.2009/558), before a doctoral dissertation is graded, the author must be given an opportunity to submit his or her response to the preliminary examiner's, the examiner's or the opponent's statement. The doctoral candidate has no comments on the doctoral statement, which is enclosed with this agenda item as an appendix.

According to section 29 of the Universities Act (24.7.2009/558), a study attainment may be assessed only by those members or deputy members



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of a multi-member administrative body who have a degree or completed study attainments of an equivalent level or who have been appointed professors.

**Motion** Based on the statement, the Faculty Council grades MSc Gulraiz Choudhary's doctoral dissertation as Pass.

**Decision** As proposed.

## Appendices

Appendix 26 Statement of opponent Tapio Pahikkala



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Prepared by Kaisa Laitinen

§ 12

### **Grading MSc Petri Kesti's doctoral dissertation in the field of Biology**

According to section 9 of the UEF University Regulations, the Faculty Council grades doctoral dissertations. According to Section 18 of the standing orders of the Faculty of Science, Forestry and Technology on degrees and studies, doctoral dissertations are graded on the scale pass – pass with distinction.

MSc Petri Kesti's doctoral dissertation and study [The role of environmental variables on the community structure and fatty acid composition and content of freshwater macroinvertebrates](#) was examined publicly on 24 May 2024. The opponent, Professor Monika Winder (Department of Ecology, Environment and Plant Sciences, Stockholm University, Sweden), is in favour of the dissertation being approved as a thesis for a doctoral degree in Philosophy and proposes the grade Pass.

According to section 44 of the Universities Act (24.7.2009/558), before a doctoral dissertation is graded, the author must be given an opportunity to submit his or her response to the preliminary examiner's, the examiner's or the opponent's statement. The doctoral candidate has no comments on the doctoral statement, which is enclosed with this agenda item as an appendix.



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According to section 29 of the Universities Act (24.7.2009/558), a study attainment may be assessed only by those members or deputy members of a multi-member administrative body who have a degree or completed study attainments of an equivalent level or who have been appointed professors.

**Motion** Based on the statement, the Faculty Council grades MSc Petri Kesti's doctoral dissertation as Pass.

**Decision** As proposed.

### Appendices

Appendix 27 Statement of the opponent Monika Winder

Dnro 86/03.04.09/2024

Prepared by Kaisa Laitinen

§ 13

### **Grading MSc Matti Nghikembua's doctoral dissertation in the field of Forestry**

According to section 9 of the UEF University Regulations, the Faculty Council grades doctoral dissertations. According to Section 18 of the standing orders of the Faculty of Science, Forestry and Technology on degrees and studies, doctoral dissertations are graded on the scale pass – pass with distinction.

MSc Matti Nghikembua's doctoral dissertation and study [Wildlife activity patterns and encroaching woody vegetation response to bush thinning on farmlands in north-central Namibia](#) was examined publicly on 31 May 2024. The opponent, Senior University Lecturer, Docent Eshetu Yirdaw (Department of Forest Sciences, University of Helsinki) is in favour of the dissertation being approved as a thesis for a doctoral degree in Philosophy and proposes the grade Pass.

According to section 44 of the Universities Act (24.7.2009/558), before a doctoral dissertation is graded, the author must be given an opportunity to submit his or her response to the preliminary examiner's, the examiner's or the opponent's statement. The doctoral candidate has no comments on the doctoral statement, which is enclosed with this agenda item as an appendix.

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According to section 29 of the Universities Act (24.7.2009/558), a study attainment may be assessed only by those members or deputy members of a multi-member administrative body who have a degree or completed study attainments of an equivalent level or who have been appointed professors.

**Motion** Based on the statement, the Faculty Council grades MSc Matti Nghikembua's doctoral dissertation as Pass.

**Decision** As proposed.

### Appendices

Appendix 28 Statement of the opponent Eshetu Yirdaw





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Prepared by Kaisa Laitinen

§ 14

### **Grading MSc Heta Orava's doctoral dissertation in the field of Applied Physics**

According to section 9 of the UEF University Regulations, the Faculty Council grades doctoral dissertations. According to Section 18 of the standing orders of the Faculty of Science, Forestry and Technology on degrees and studies, doctoral dissertations are graded on the scale pass – pass with distinction.

MSc Heta Orava's doctoral dissertation and study [Computed tomography imaging and functional in silico modelling of cartilage, bone and tissue engineered cartilage constructs](#) was examined publicly on 24 May 2024. The opponent, Associate Professor Greet Kerckhofs (Institute of Mechanics, Materials, and Civil Engineering, UCLouvain, Belgium), is in favour of the doctoral dissertation being approved as a thesis for a doctoral degree in Philosophy and proposes the grade Pass.

According to section 44 of the Universities Act (24.7.2009/558), before a doctoral dissertation is graded, the author must be given an opportunity to submit his or her response to the preliminary examiner's, the examiner's or the opponent's statement. The doctoral candidate has no comments on the doctoral statement, which is enclosed with this agenda item as an appendix.

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According to section 29 of the Universities Act (24.7.2009/558), a study attainment may be assessed only by those members or deputy members of a multi-member administrative body who have a degree or completed study attainments of an equivalent level or who have been appointed professors.

**Motion** Based on the statement, the Faculty Council grades MSc Heta Orava's doctoral dissertation as Pass.

**Decision** As proposed.

### Appendices

Appendix 29 Statement of the opponent Greet Kerckhofs



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### **Grading MSc Xudan Zhu's doctoral dissertation in the field of Biology**

According to section 9 of the UEF University Regulations, the Faculty Council grades doctoral dissertations. According to Section 18 of the standing orders of the Faculty of Science, Forestry and Technology on degrees and studies, doctoral dissertations are graded on the scale pass – pass with distinction.

MSc Xudan Zhu's doctoral dissertation and study [The mechanisms behind aquatic browning in boreal catchments](#) was examined publicly on 10 May 2024. The opponent, Professor William H. McDowell (Department of Natural Resources and the Environment, University of North Hampshire, United States) is in favour of the dissertation being approved as a thesis for a doctoral degree in Philosophy and proposes the grade Pass with distinction. Preliminary examiners of the doctoral dissertation, Professor Leena Finér (Finnish Forest Research Institute) and Dr. Aida Bargués Tobella (Department of Forest Ecology and Management, Swedish University of Agricultural Sciences, Sweden) agree with the grade proposed by the opponent.

According to section 44 of the Universities Act (24.7.2009/558), before a doctoral dissertation is graded, the author must be given an opportunity to submit his or her response to the preliminary examiner's, the

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examiner's or the opponent's statement. The doctoral candidate has no comments on the statements of the opponent and the preliminary examiners, which are enclosed with this agenda item as appendices.

According to section 29 of the Universities Act (24.7.2009/558), a study attainment may be assessed only by those members or deputy members of a multi-member administrative body who have a degree or completed study attainments of an equivalent level or who have been appointed professors.

**Motion** Based on the statements, the Faculty Council grades MSc Xudan Zhu's doctoral dissertation as Pass with distinction.

**Decision** As proposed.

### Appendices

- |             |  |
|-------------|--|
| Appendix 30 | Statement of the opponent William H. McDowell  |
| Appendix 31 | The opinion of the preliminary examiner Aida Bargués Tobella on the proposed grade Pass with distinction |
| Appendix 32 | The opinion of the preliminary examiner Leena Finér on the proposed grade Pass with distinction          |

Record entry 86/03.04.09/2024

Prepared by Kaisa Laitinen

§ 16

**Grading MSc Huizhong Zhang-Turpeinen's doctoral dissertation in the field of  
Environmental Science**

According to section 9 of the UEF University Regulations, the Faculty Council grades doctoral dissertations. According to Section 18 of the standing orders of the Faculty of Science, Forestry and Technology on degrees and studies, doctoral dissertations are graded on the scale pass – pass with distinction.

MSc Huizhong Zhang-Turpeinen's doctoral dissertation and study [Biogenic volatile organic compound emissions from the boreal forest floor after wildfire](#) was examined publicly on 24 May 2024. The opponent, Professor Steffen M. Noe (Institute of Forestry and Engineering, Estonian University of Life Sciences, Estonia), is in favour of the dissertation being approved as a thesis for a doctoral degree in Philosophy and proposes the grade Pass with distinction. One of the preliminary examiners of the dissertation, Researcher Thomas Holst (Department of Physical Geography and Ecosystem Science, Lund University, Sweden), agrees with the grade proposed by the opponent, but the second preliminary examiner, Senior Research Scientist Heidi Hellén (the Finnish Meteorological Institute), disagrees.

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According to section 44 of the Universities Act (24.7.2009/558), before a doctoral dissertation is graded, the author must be given an opportunity to submit his or her response to the preliminary examiner's, the examiner's or the opponent's statement. The doctoral candidate has no comments on the statements of the opponent and Researcher Holst, but the doctoral candidate has submitted a response on the statement of Senior Research Scientist Hellén. The statements of the opponent and preliminary examiners, and the doctoral candidate's response are enclosed with this agenda item as appendices.

According to section 29 of the Universities Act (24.7.2009/558), a study attainment may be assessed only by those members or deputy members of a multi-member administrative body who have a degree or completed study attainments of an equivalent level or who have been appointed professors.

**Motion** Based on the statements, the Faculty Council grades MSc Huizhong Zhang-Turpeinen's doctoral dissertation as Pass.

**Decision** As proposed.

### Appendices

Appendix 33	Statement of opponent Steffen M. Noe
Appendix 34	The opinion of the preliminary examiner Thomas Holst on the proposed grade Pass with distinction

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| Appendix 35 | The opinion of the preliminary examiner Heidi<br>Hellén on the proposed grade Pass with distinction |
| Appendix 36 | Response of Huizhong Zhang-Turpeinen  |



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§ 17

### **Grading BSc in Mechanical Engineering Alexander Paz Carvajal's doctoral dissertation in Applied Physics**

According to section 9 of the UEF University Regulations, the Faculty Council grades doctoral dissertations. According to Section 18 of the standing orders of the Faculty of Science, Forestry and Technology on degrees and studies, doctoral dissertations are graded on the scale pass – pass with distinction.

BSc Alexander Paz Carvajal's doctoral dissertation and study [Novel methodologies for generation and simulation of knee joint finite element models : toward a template-based and neural network-assisted model for rapid prediction of knee osteoarthritis](#) was examined publicly on 7 June 2024. The opponent, Associate Professor Clare Fitzpatrick (Department of Mechanical and Biomedical Engineering, Boise State University, USA) is in favour of the dissertation being approved as a thesis for a doctoral degree in Philosophy and proposes the grade Pass with distinction. The preliminary examiners of the dissertation, Associate Professor Marlène Mengoni (School of Mechanical Engineering, University of Leeds, UK) and Senior Lecturer Bernard Liew (School of Sport, University of Essex, UK) agree with the grade proposed by the opponent.



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According to section 44 of the Universities Act (24.7.2009/558), before a doctoral dissertation is graded, the author must be given an opportunity to submit his or her response to the preliminary examiner's, the examiner's or the opponent's statement. The doctoral candidate has no comments on the statements of the opponent and the preliminary examiners, which are enclosed with this agenda item as appendices.

According to section 29 of the Universities Act (24.7.2009/558), a study attainment may be assessed only by those members or deputy members of a multi-member administrative body who have a degree or completed study attainments of an equivalent level or who have been appointed professors.

**Motion** Based on the statements, the Faculty Council grades BSc Alexander Paz Carvajal's doctoral dissertation as Pass with distinction.

**Decision** As proposed.

### Appendices

- |             |   |
|-------------|---|
| Appendix 37 | Statement by opponent Clare Fitzpatrick   |
| Appendix 38 | The opinion of preliminary examiner Bernard Liew on the proposed grade Pass with distinction    |
| Appendix 39 | The opinion of preliminary examiner Marlène Mengoni on the proposed grade Pass with distinction |

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**For information**

Statistics on the faculty's Bachelor's, Master's and Doctoral degrees on 11 June 2024 (Appendix)

The doctoral dissertation overview of the faculty dated 12 June 2024; graduates in green, those with permission to defend their dissertation in a public examination in yellow, and those who have started their dissertation in blue (appendix)

Expert statements by [Hubert Hasenauer](#) and [Tomas Lundmark](#) on the qualification and merits of Associate Professor Blas Mola to the post of Professor of Biomass Production and Plantation Forestry (record entry 208/01.01.02/2024), which was discussed by the Faculty Council at its meeting on 17 April 2024

Topical faculty matters.

**Motion** Marked for information.

**Decision** As proposed.

Appendices



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Degree Statistics 11 June 2024

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Doctoral dissertation overview 12 June 2024



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### **Closing of the meeting**

The chair closed the meeting at 14.27.



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### **Translation of the agenda/minutes**

The English translation of the agenda/minutes of the meeting is attached to the agenda item.