

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

1 (25)

Date and time 18 December 2024, 13:00 – 15:00

Place Teams

Participants	Role	Additional information
Members		
Lehtinen Kari	Dean, Chair	
Hauta-Kasari Markku	1st Vice Dean, Vice Chair	
Kukkonen Jussi	2nd Vice Dean	
Hujala Teppo	Professor, member	
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	
Toivanen Pekka	Professor, deputy member	
Tanska Petri	Other staff, member	
Haapala Antti	Other staff, deputy member	
Mononen Maini	Other staff, member	
Turunen Mikael	Other staff, deputy member	
Virrantalo Tarja	Other staff, member	

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

2 (25)

Kopra Juho	Other staff, deputy member
Pohjoismäki Jaakko	Other staff, member
Asikainen Mervi	Other staff, deputy member
Vainikainen Hanne	Other staff, member
Kumlin Timo	Other staff, deputy member
Merruntaus Kati	Student, member
Ahtonen Tiina	Student, deputy member
Palkovuori Teemu	Student, member
Törö Teemu	Student, deputy member
Partanen Silja	Student, member
Miettinen Mikko	Student, deputy member
Jankova Simona	Student, member
Rautiainen Kaisa	Student, deputy member
Helvelahti Tomi	Student, member
Sheng Li	Student, deputy member
Hirvonen Arja	Executive Head of Administration, secretary, preparer

Other preparers

Merimaa-Piirainen Maarit Head of Academic Affairs

Riikka Levänen

Niina Laatikainen

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology
Meeting No 11/2024
Meeting date 18 December 2024

3 (25)

Items to be discussed at the meeting

Number	Title	Page
1	Opening of the meeting	4
2	Legitimacy and presence of a quorum	5
3	Conferring an Honorary Doctorate	6
4	The Dean's proposal on the person to be appointed as a University Teacher/University Lecturer in the field of Material Technology. Hearing of the Faculty Council	8
5	Grading MSc, MSc (Admin.) Mikko Hyttinen's doctoral dissertation in the field of Computer Science	11
6	Grading MSc Niko Kinnunen's doctoral dissertation in the field of Environmental Science	13
7	Grading MSc Duc Len's doctoral dissertation in the field of Photonics	15
8	Grading MSc Valtteri Nieminen's doctoral dissertation in the field of Environmental Science	17
9	Grading ME Purbanka Pahari's doctoral dissertation in the field of Applied Physics	19
10	Grading MSc Toni Vesikko's doctoral dissertation in the field of Mathematics	21
11	For information	23
12	Closing of the meeting	24
13	Translation of the agenda/minutes	25

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

4 (25)

1**Opening of the meeting**

The chair will open the meeting.

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

5 (25)

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 11 December 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.

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

Decision

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

6 (25)

Record entry No 4284/00.03.11/2024

Prepared by Arja Hirvonen

3

Conferring an Honorary Doctorate

The University of Eastern Finland will organise a doctoral conferment ceremony on the Kuopio campus on 5–30 June 2025. Doctoral degrees are conferred on newly graduated doctors and honorary doctors of the Faculty of Health Sciences, the Faculty of Science, Forestry and Technology, and the Faculty of Social Sciences and Business Studies.

According to section 9 of the UEF University Regulations, the Faculty Council shall decide on the conferment of honorary doctorates.

Each faculty participating in the Doctoral Conferment Ceremony may propose 3–6 honorary doctorates, from among whom the university's leadership will select the honorary doctors together with the faculties.

The faculties have made proposals to the Dean on the persons to be conferred an honorary doctorate. In the negotiations between the rector and the dean, it has been agreed that the Faculty of Science, Forestry and Technology will propose four honorary doctorates.

Due to the confidential preparatory stage of the matter, the Dean of the faculty will present the honorary doctorates at the meeting. The matter

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

7 (25)

will become public when all decisions on the conferment of honorary doctorates have been made. Once the matter becomes public, the university's communications unit will publish the names of the honorary doctorates of the faculties participating in the Doctoral Conferment Ceremony in a joint bulletin.

Motion

The Faculty Council decides to confer honorary doctorates to the persons proposed by the chair.

Decision

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

8 (25)

Record entry 6239/01.01.03/2024

Prepared by Arja Hirvonen

4

The Dean's proposal on the person to be appointed as a University Teacher/University Lecturer in the field of Material Technology. 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 Teacher/University Lecturer in the field of Material Technology was approved at the meeting of the Faculty Council of the Faculty of Science, Forestry and Technology on 20 November 2024.

The post will be hosted by the Department of Chemistry 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 5 December 2024 applications were submitted by MSc Niko Kyllönen, MSc (Agr. & For.) Juhani Marttila and MSc Hanna Paananen.

On the employer's side, Vice Dean Markku Hauta-Kasari and University Lecturer Ville Nivalainen participated in the recruitment process. The same persons acted as interviewers and prepared a comparison of applicants.

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

9 (25)

Hauta-Kasari and Nivalainen propose in the summary of the selection memorandum that MSc (Agr. & For.) Juhani Marttila be appointed to the vacant post from 1 January 2025 onwards under the title of University Teacher until further notice.

The evaluators/interviewers propose that MSc (Agr. & For.) Juhani Marttila be exempted from the requirement to give a trial lecture on the grounds that he has sufficient experience in university-level teaching and extensive practical knowledge in the field of instruction.

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

A person to be appointed as a university teacher must hold a suitable higher university degree and have good practical familiarity with the domain as well as good teaching skills.

The Dean of the faculty has exempted MSc (Agr. & For.) Juhani Marttila from the requirement to give a trial lecture on the grounds that he has sufficient practical experience in university level teaching at the University of Eastern Finland and, therefore, the good teaching skills required by the post of a university teacher have been demonstrated.

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

10 (25)

MSc (Agr. & For.) Juhani Marttila meets the qualification requirements of a university teacher referred to in the UEF University Regulations and the prerequisites laid down in the specifications of the post.

The Dean of the faculty proposes to the Academic Rector that MSc (Agr. & For.) Juhani Marttila be appointed to the post of University Teacher in the field of Material Technology from 1 January 2025 onwards or as agreed until further notice.

Motion

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

Decision

Annexes

Annex 1	Juhani Marttila's CV
Annex 2	Juhani Marttila's teaching portfolio
Annex 3	Juhani Marttila's list of publications
Annex 4	Selection memorandum, University Teacher University Lecturer (Material Technology) 2024

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

11 (25)

Record entry 86/03.04.09/2024

Prepared by Niina Laatikainen

5

Grading MSc, MSc (Admin.) Mikko Hyttinen'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 32 of the Education Regulations, dissertations are graded on the scale pass with distinction, pass, and fail.

MSc, MSc (Admin.) Mikko Hyttinen's doctoral dissertation and study [Studies on developing blended learning practices in business courses with learning technologies and flipped classroom pedagogy in the Finnish higher education context](#) was examined publicly on 29 November 2024.

The opponent, University Lecturer, Docent Ville Isomöttönen (Faculty of Information Technology, University of Jyväskylä) 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

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

12 (25)

comments on the doctoral statement, which is enclosed with this agenda item as an Annex.

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, MSc (Admin.) Mikko Hyttinen's doctoral dissertation as Pass.

Decision

Annexes

Annex 5 Statement by Ville Isomöttönen, opponent

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

13 (25)

Record entry 86/03.04.09/2024

Prepared by Niina Laatikainen

6

Grading MSc Niko Kinnunen'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 32 of the Education Regulations, dissertations are graded on the scale pass with distinction, pass, and fail.

MSc Niko Kinnunen's doctoral dissertation and study [Water protection in drained peatland forests: Biochar filtration and continuous cover forestry as options](#) was examined publicly on 29 November 2024. The opponent, Associate Professor Hannu Marttila (Water, Energy and Environmental Engineering, University of Oulu) 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 Annex.

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

14 (25)

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 Niko Kinnunen's doctoral dissertation as Pass.

Decision

Annexes

Annex 6

Statement by opponent Hannu Marttila

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

15 (25)

Record entry 86/03.04.09/2024

Prepared by Niina Laatikainen

7

Grading MSc Duc Len's doctoral dissertation in the field of Photonics

According to section 9 of the UEF University Regulations, the Faculty Council grades doctoral dissertations. According to Section 32 of the Education Regulations, dissertations are graded on the scale pass with distinction, pass, and fail.

MSc Duc Len's doctoral dissertation and study [Plasmon field effects on the operation of optical biosensors](#) was examined publicly on 15 November 2024. The opponent, Associate Professor Nicklas Anttu (Faculty of Science and Engineering, Åbo Akademi) is in favour of the dissertation being approved as a thesis for a doctoral degree in technology and proposes the grade Pass with distinction. The preliminary examiners of the doctoral dissertation, Professor Martin Charlton (School of Electronics and Computer Science, University of Southampton, UK) and Professor Francesco Baldini (Institute of Applied Physics "Nello Carrara", National Research Council of Italy, Italy) 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

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

16 (25)

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 Duc Len's doctoral dissertation as Pass with distinction.

Decision

Annexes

Annex 7	Statement by opponent Nicklas Anttu
Annex 8	The opinion of preliminary examiner Martin Charlton on the proposed grade Pass with distinction
Annex 9	The opinion of preliminary examiner Francesco Baldini on the proposed grade Pass with distinction

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

17 (25)

Record entry 86/03.04.09/2024

Prepared by Niina Laatikainen

8

Grading MSc Valtteri Nieminen'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 32 of the Education Regulations, dissertations are graded on the scale pass with distinction, pass, and fail.

MSc Valtteri Nieminen's doctoral dissertation and study [Investigating the Cancer-related Effects of Magnetic Fields in Co-exposure Situations in Vitro](#) was examined publicly on 4 December 2024. The opponent, Professor of Practice Teemu Siiskonen (Radiation and Nuclear Safety Authority (STUK)) 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 Annex.

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

18 (25)

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 Valtteri Nieminen's doctoral dissertation as Pass.

Decision

Annexes

Annex 10

Statement by opponent Teemu Siiskonen

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

19 (25)

Record entry 86/03.04.09/2024

Prepared by Niina Laatikainen

9

Grading ME Purbanka Pahari'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 32 of the Education Regulations, dissertations are graded on the scale pass with distinction, pass, and fail.

ME Purbanka Pahari's doctoral dissertation and study [Detailed characterization of hypoxemia events enhances assessment of obstructive sleep apnea severity: Association of hypoxic load with impaired vigilance and lung-to-finger circulation time](#) was examined publicly on 25 November 2024. The opponent, Professor Danny J. Eckert (College of Medicine and Public Health, Flinders University, Australia) 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 Annex.

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

20 (25)

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 ME Purbanka Pahari's doctoral dissertation as Pass.

Decision**Annexes**

Annex 11

Statement by opponent Danny J. Eckert

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

21 (25)

Record entry 86/03.04.09/2024

Prepared by Niina Laatikainen

10

Grading MSc Toni Vesikko's doctoral dissertation in the field of Mathematics

According to section 9 of the UEF University Regulations, the Faculty Council grades doctoral dissertations. According to Section 32 of the Education Regulations, dissertations are graded on the scale pass with distinction, pass, and fail.

MSc Toni Vesikko's doctoral dissertation and study [On analytic and geometric properties of conformal maps of the unit disc in certain function spaces](#) was examined publicly on 5 December 2024. The opponent, Professor Toshiyuki Sugawa (Graduate School of Information Sciences, Tohoku University, Japan) 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 Annex.



Faculty Council of the Faculty of Science, Forestry and Technology

Meeting date 18 December 2024

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.

Based on the statement, the Faculty Council grades MSc Toni Vesikko's doctoral dissertation as Pass.

Annexes

Statement of opponent Toshiyuki Sugawa

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

23 (25)

11

For information

Statistics on the faculty's Bachelor's, Master's and Doctoral degrees on 10
December 2024 (Annex)

The University of Eastern Finland has appointed as its representatives in
the executive Board of the LUMA Centre for the period 2025–2029 Senior
University Lecturer Mervi Asikainen (Faculty of Science, Forestry and
Technology/Department of Physics and Mathematics) and, as a deputy
member, Professor Sari Havu-Nuutinen (Philosophical Faculty/School of
Applied Educational Science and Teacher Education).

Topical faculty matters.

Motion Marked for information.

Decision

Annexes

Annex 13

Degree Statistics 10 December 2024

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

24 (25)

12

Closing of the meeting

The chair will close the meeting.

Agenda

Faculty Council of the Faculty of Science, Forestry and
Technology

Meeting No 11/2024

Meeting date 18 December 2024

25 (25)

13**Translation of the agenda/minutes**

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