



Minutes

Faculty Council of the Faculty of Science and Forestry

Meeting No 11/2022

Meeting date 20 December 2022

Date and time 20 December 2022, 13.00-13.41

Place Joensuu F110, Kuopio ME201 and Teams

Participants	Role	Present
Members		
Kari Lehtinen	Dean, Chair	1-20
Markku Hauta-Kasari	1st Vice Dean, Vice Chair	1-20
Jussi Kukkonen	2nd Vice Dean	1-20
Teppo Hujala	Professor, member	1-20
Eeva-Stiina Tuittila	Professor, deputy member	
Vesa-Pekka Lehto	Professor, member	
Markku Kuittinen	Professor, deputy member	
Janne Jänis	Professor, member	1-20
Jukka Pumpanen	Professor, deputy member	
Frank Berninger	Professor, member	1-20
Matti Tedre	Professor, deputy member	
Pauli Miettinen	Professor, member	1-20
Jukka Tuomela	Professor, deputy member	
Petri Tanska	Other staff, member	1-16 and 18-20
Antti Haapala	Other staff, deputy member	
Maini Mononen	Other staff, member	1-8 ja 18-20
Mikael Turunen	Other staff, deputy member	
Tarja Virrantalo	Other staff, member	1-8 ja 18-20
Juho Kopra	Other staff, deputy member	



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Jaakko Pohjoismäki	Other staff, member	1-20
Mervi Asikainen	Other staff, deputy member	
Hanne Vainikainen	Other staff, member	1-8 ja 18-20
Timo Kumlin	Other staff, deputy member	
Jenni Kortelainen	Student, member	
Ville Miettinen	Student, deputy member	1-8 ja 18-20
Pavel Kipriianov	Student, member	1-8 ja 18-20
Juha-Matti Ovaskainen	Student, deputy member	
Teppo Pitkänen	Student, member	1-8 ja 18-20
Busurat Mudashiru	Student, deputy member	1-8 ja 18-20
Amin Mahad Abdirisaag	Student, member	
Riku Kukkonen	Student, deputy member	
Silja Partanen	Student, member	1-8 ja 18-20
Kaisa Rautiainen	Student, deputy member	
Arja Hirvonen	Executive Head of Administration, secretary, preparer	1-20
Other preparers		
Kaisa Laitinen	Head of Training	1-20



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1

Opening the meeting

The Chair opened the meeting at 13.00.

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Legitimacy and presence of a quorum

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

The meeting invitation was sent on 13 December 2022.

According to the University Regulations, the multi-member functions have quorum when at least half of the members, including the chair, are present. By a decision of the Chair, the multi-member administrative organ may hold its meeting by email or via a videoconference, telephone or other remote meeting solution either completely or partially. The Chair has decided that the meeting will be held as a hybrid meeting with the option to participate either in person or remotely via Teams.

Proposal 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.



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Record entry No. 1155/01.01.02/2022

Prepared by Arja Hirvonen

3

Job description of the position of Professor of Evolutionary and Reproductive Biology and the Dean's proposal to invite Associate Professor Jukka Kekäläinen to the position.

Consultation of the Faculty Council

Jukka Kekäläinen (PhD) has been appointed as an Associate Professor, Animal Physiology, Tenure Track, from 1 April 2019 to 31 March 2023. The position is located in the faculty's Department of Environmental and Biological Sciences.

In accordance with to Section 30 of the Regulations of the University of Eastern Finland, the appointment committee consisted of the following evaluation group: Dean Kari Lehtinen as the chair, with Professor Jonne Naarala (Head of the Department of Environmental and Biological Sciences), Professor Eeva-Stiina Tuittila from the School of Forest Sciences and Professor Paavo Honkakoski from the School of Pharmacy (Faculty of Health Sciences) as members.

The appointment committee concluded that, based on the documents that were delivered and the interview, the legal requirements for initiating the invitation procedure have been fulfilled and that Jukka Kekäläinen can be invited to the professor's position in his field. The Tenure Track Committee

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has supported initiating the evaluation process during their meeting on 9 December 2022.

The evaluation group's notes and Kekäläinen's cv, teaching portfolio and publication list have been added as an appendix to this agenda item. According to section 33 of the Universities Act (558/2009), a professor's position may be filled by invitation without a public notice when a distinguished candidate is invited to the position or the appointment to the position is fixed term. Only a person who undoubtedly meets the eligibility criteria can be selected by invitation.

According to the Section 31 of the Regulations of the University of Eastern Finland, the person selected to an employment relationship as a professor indefinitely or for a period of over two years must be scientifically or artistically competent and possess good teaching skills and, if this is important for the performance of the task, practical knowledge of the task area.

According to Section 10 of the Regulations of the University of Eastern Finland, the Dean will decide the task scope and specifications of the professor's position after consulting the Faculty Council. The Dean will decide whether or not the professor is required to have practical knowledge of the task scope. The Dean will submit a proposal to the Rector for a person selected for the position of professor for a period of two years or longer after consulting the Faculty Council.

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The more specific task scope of the professor's position is Evolutionary and Reproductive Biology. The position's job description includes the definitions of the task scope and specifications as required by the Regulations, along with a proposal on who to invite to the position.

The position does not require practical knowledge of the task scope.

A draft of the job description has been added as an appendix to this agenda item. The invitee has accepted the job description and the task specifications.

Proposal Discussion by the Faculty Council on the job description of the Professor of Evolutionary and Reproductive Biology and on the Dean's proposal regarding the invitee.

Decision As proposed.

Appendices

- 1 Evaluation notes_ animal physiology_Jukka Kekäläinen_final
- 2 Jukka Kekäläinen's cv
- 3 Jukka Kekäläinen's teaching portfolio
- 4 Jukka Kekäläinen's publication list
- 5 Draft job description: Evolutionary and Reproductive Biology



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Record entry No. 1584/01.01.03/2022

Prepared by Arja Hirvonen

4

The Dean's proposal regarding a candidate for the position as a university lecturer in the field of Ecosystem and Plant Ecology. Consultation of the Faculty Council.

According to section 9 of the Regulations of the University of Eastern Finland, the Faculty Council discusses proposals concerning the scope and job description of the permanent duties of the faculty's teaching and research staff in the four-step career model and the tenure track.

The job description of the university lecturer in the field of Ecosystem and Plant Ecology is as follows:

The teaching and research field of the university lecturer is Ecosystem and Plant Ecology. The research field is a part of the university's Environmental Change and Sustainable Use of Natural Resources strategic profile area. The university lecturer will actively research Ecosystem and Plant Ecology, and they will maintain a comprehensive and interdisciplinary research cooperation that supports researcher training. The university lecturer will provide basic, subject-specific and advanced training and act as a thesis supervisor. The university lecturer will evaluate and develop training in the field of Ecology as well as continuous learning and the use of modern learning environments and methods. The responsibility of developing teaching through cooperation networks between departments and

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universities is emphasised in the position. Teaching and guidance in the field are provided at the Department of Environmental and Biological Sciences in Finnish and English. The position is located at the Joensuu campus in the Faculty of Science and Forestry's (from 1 January 2023 onwards, the Faculty of Science, Forestry and Engineering) Department of Environmental and Biological Sciences.

The department proposes that Teemu Tahvanainen (Docent, PhD) be appointed without an open application process from 1 January 2023 until further notice. Tahvanainen has worked at the Department of Environmental and Biological Sciences and the previous Department of Biology as a fixed-term university lecturer and researcher in the field in question.

The person selected for the university lecturer's position must have a suitable doctoral degree and good teaching skills (Section 31 of the University Regulation). The candidate is required to have good skills in Finnish and the ability to teach in English if necessary.

On 13 December 2022, the Dean exempted Teemu Tahvanainen (Docent) from giving a demonstration of teaching on the grounds that he has demonstrated the good teaching skills required by the university lecturer's duties through sufficient practical teaching experience at the University of Eastern Finland.



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Teemu Tahvanainen (PhD, Docent) meets the university lecturer's qualification requirements mentioned in the University Regulations and meets the requirements for appointment in the task.

The Dean of the Faculty proposes to the Academic Rector that Teemu Tahvanainen (PhD, Docent) be appointed university lecturer in Ecosystem and Plant Ecology from 1 January 2023 until further notice.

Proposal

1. The Faculty Council discusses the task description.
2. The Faculty discusses the proposal for the person to be appointed in the position.

Decision

1. As proposed.
2. As proposed.

Appendices

- | | |
|---|--|
| 6 | Teemu Tahvanainen's cv |
| 7 | Teemu Tahvanainen's teaching portfolio |
| 8 | Teemu Tahvanainen's publication list |



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Record entry No. 921/01.01.03/2022

Prepared by Arja Hirvonen

5

The Dean's proposal regarding a candidate for the position as a university teacher/university lecturer in the field of Engineering. Consultation of the Faculty Council

According to section 9 of the Regulations of the University of Eastern Finland, the Faculty Council discusses proposals concerning the scope and job description of the permanent duties of the faculty's teaching and research staff in the four-step career model and the tenure track. The task specifications of the position of university lecturer in the field of Engineering have been approved by the Faculty Council of the Faculty of Science and Forestry on 15 June 2022.

The position will be located at the Kuopio campus in the Faculty of Science and Forestry's Department of Applied Physics (from 1.1.2023 onwards, the Department of Engineering Physics)..

The position has been publicly advertised, and the following persons applied for the position by the deadline of August 15 2022.: Laure Fauch (PhD), Ana Gebejes (PhD), Juha-Matti Huusko (PhD), Niko Hänninen (MA), Matti Kortelainen (PhD), Risto Leinonen (PhD), Annamari Mustonen (Master of Science in Technology), Tuomo Nieminen (PhD), Ervin Nippolainen (PhD), Daniel Scheer (MSc, MA) and Paavo Vartiainen (PhD). Risto Leinonen (PhD) has withdrawn his application on 28 November 2022.

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The discipline-specific evaluation group consisted of university lecturer Lasse Heikkinen (chair, deputy department head responsible for training in the Department of Applied Physics), university lecturer Anna Kaasinen, university lecturer Päivi Ronkanen and Tero Karjalainen (director of the Centre for Continuous Learning).

The evaluation group sums up its evaluation notes by stating that out of the top applicants, Niko Hänninen fulfils the requirements of and is suitable for the position of university lecturer in the field of Engineering. He has knowledge of the task scope, the sufficient teaching and guidance experience required by the position and the capabilities to strengthen the planning and implementation of future Engineering education at the University of Eastern Finland.

The person selected for the position of University Teacher must have a suitable master's degree and a good practical knowledge of the scope of the teaching tasks and good teaching skills (section 31 of the University Regulations).

The Dean has exempted Niko Hänninen (MA) from giving a demonstration of teaching on the grounds that he has sufficient experience in teaching and guidance.

Niko Hänninen meets the University Teacher's qualification requirements mentioned in the University Regulations and meets the requirements for appointment in the task.



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The Dean of the Faculty proposes to the Academic Rector that Niko Hänninen (MA) be appointed University Teacher in Engineering from 1 January 2023 until further notice or as otherwise agreed.

Proposal Discussion of the Faculty Council on the proposal for the person to be appointed in the position.

Decision As proposed.

Appendices

- 9 Niko Hänninen's cv
- 10 Niko Hänninen's teaching portfolio
- 11 Niko Hänninen's publication list
- 12 Evaluation notes: University Teacher, Engineering, Kuopio



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Record entry No. 1126/01.08.00/2022

Prepared by Arja Hirvonen

6

Granting the title of Docent to Marko Jäntti (PhD) in the field of Digitalized Service Management

Marko Jäntti (PhD) has applied for the title of Docent in the field of Digitalized Service Management the Department of Computer Science, Faculty of Science and Forestry, the University of Eastern Finland. Jäntti's (PhD) application and its appendices are attached to the agenda item.

Under section 89 of the Universities Act (558/2009), the university may, upon application, grant the title of Docent to a person who has thorough knowledge of their field, publications or other means of demonstrating the ability to carry out independent research or artistic work and has good teaching skills.

According to section 9, paragraph 8, of the Regulations of the University of Eastern Finland, the Faculty Council is responsible for deciding on granting the title of Docent.

The Dean of the Faculty of Science and Forestry [has by his decision on 14 September 2022](#) appointed Kari Smolanderin (LUT School of Engineering Science, Lappeenranta-Lahti University of Technology) and Professor Pasi Tyrväinen (Faculty of Information Technology, University of Jyväskylä) to

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give an expert statement on the scientific competence of Marko Jäntti (PhD) for the title of Docent in Digitalized Service Management. Professor Smolander and Professor Tyrväinen have recognised Jäntti (PhD) as scientifically competent for the title of Docent in his field. The experts' statements are attached to the agenda item.

A Docent is required to have good teaching skills (Section 89 of the Universities Act 558/2009). The Dean may exempt the applicant from giving a teaching demonstration if the applicant's teaching skills have been previously verified. Marko Jäntti's (PhD) teaching skills have been verified based on his extensive practical university-level teaching experience at the University of Kuopio (after 2010 the University of Eastern Finland) between 2004 and 2018. He has also continued to acquire practical university-level guidance experience at the University of Eastern Finland since 2012. He has also produced teaching materials relevant to the field in which he is applying for the title of Docent, and he has participated in the planning and development of teaching.

Based on the above, the Dean of the Faculty of Science and Forestry [has by his decision on 14 September 2022](#) exempted Jäntti from giving a demonstration of teaching for the title of Docent for which Jäntti has applied.



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Proposal The Faculty Council notes that Marko Jäntti (PhD) fulfils the requirements for the title of Docent referred to in the Universities Act and grants him the title of Docent at the University of Eastern Finland in the field of Digitalized Service Management as of 1 January 2023.

Decision As proposed.

Appendices

- 13 Marko Jäntti, application for the title of Docent
- 14 Marko Jäntti, application for the title of Docent, appendices (redacted)
- 15 Expert statement by Kari Smolander
- 16 Expert statement by Pasi Tyrväinen

Record entry No. 241/03.00.01/2022

Prepared by Kaisa Laitinen

7

Approving the curricula for undergraduate study modules 2022 - 2023

According to Section 9, paragraph 4 of the Regulations, the Faculty Council is responsible for i.a. making decisions regarding study modules.

According Section 20 of the Study Regulations, a degree programme's study module must indicate i.a. the structure of the degree (incl. courses and their scope), the requirements of the degree as well as the learning outcomes, content, evaluation methods and form of teaching of the degree and its parts.

Proposal Decision by the Faculty Council to supplement the teaching related to the undergraduate study modules in the subject of Applied Physics in 2022 - 2023 as stated in the appendices.

Decision As proposed.

Appendices

- | | |
|----|---|
| 17 | Säteilysuojelu- ja lainsäädäntö LS00DA18 (Radiation protection and legislation, English course description) |
| 18 | Säteilysuojelu- ja lainsäädäntö LS00DA18 (Radiation protection and legislation, Finnish course description) |



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Record entry No. 1592/03.00.01/2022

Prepared by Kaisa Laitinen

8

Approving the curricula for undergraduate study modules 2023 - 2024

The University of Eastern Finland has been given degree awarding authority in the field of Engineering (Decree amending the appendix of the Ministry of Education's Decree on specifying the educational responsibilities of universities 22/2022) and particularly in the field of technology and natural sciences, as of August 1 2023.

According to Section 9, paragraph 4 of the Regulations, the Faculty Council is responsible for i.a. making decisions regarding study modules.

According Section 20 of the Study Regulations, a degree programme's study module must indicate i.a. the structure of the degree.

Proposal

Decision by the Faculty Council on the general structural descriptions of undergraduate study modules in the field of Engineering (Bachelor of Engineering, Master of Science in Technology) for the Photonics, Sustainable Technologies and Engineering Physics degree programmes as described in the appendices.



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Decision As proposed.

Appendices

- | | |
|----|---|
| 19 | Photonics - Bachelor of Engineering and Master of Science in Technology, description of general degree structure |
| 20 | Sustainable Technologies - Bachelor of Engineering and Master of Science in Technology, description of general degree structure |
| 21 | Engineering Physics - Bachelor of Engineering and Master of Science in Technology, description of general degree structure |



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Record entry No. 106/03.04.09/2022

Prepared by Kaisa Laitinen

9

Grading Christina Brester's (Msc) doctoral dissertation in Environmental Sciences

According to section 9 of the Regulations of the University of Eastern Finland, the Faculty Council is tasked with grading doctoral dissertations. According to section 18 of the standing rules of the Faculty of Science and Forestry on degrees and studies, doctoral dissertations are graded on a scale fail – pass – pass with distinction.

Christina Brester's (Msc) doctoral dissertation and research titled [Evolutionary machine learning in epidemiological predictive modeling, Examples from the Kuopio Ischemic Heart Disease Risk Factor Study](#) has been publicly examined on 2 December 2022. The opponent, Professor Jonas Björk (Division of Occupational and Environmental Medicine, Lund University, Lund, Sweden), supports the approval of the dissertation as a thesis for the doctoral degree in Philosophy and proposes the grade Pass.

Under section 44 of the Universities Act (24 July 2009/558), the author of the dissertation must be given an opportunity to submit a response on the statement of the preliminary examiner, examiner or opponent. The doctoral candidate has no comments on the opponent's statement, which is appended to the item.



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According to section 29 of the Universities Act (558/2009), only members of a multi-member administrative body or deputy members with the same degree level or who have been appointed as a professor may participate in the assessment of the thesis.

Proposal Based on the statements given in the matter, the Faculty Council grades Christina Brester's (MSc) doctoral dissertation as Pass.

Decision As proposed.

Appendices

22 Statement from the opponent Jonas Björk



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Prepared by Kaisa Laitinen

10

Grading Laura Kalevo's (Master of Science in Technology) doctoral dissertation in Applied Physics

According to section 9 of the Regulations of the University of Eastern Finland, the Faculty Council is tasked with grading doctoral dissertations. According to section 18 of the standing rules of the Faculty of Science and Forestry on degrees and studies, doctoral dissertations are graded on a scale fail – pass – pass with distinction.

Laura Kalevo's (Master of Science in Technology) doctoral dissertation and research titled [Enhanced Home Sleep Apnea Testing with a Patient-Applied EEG Electrode Set](#) has been publicly examined on 2 December 2022. The opponent, Professor Matti Mäntysalo (Faculty of Information Technology and Communication Sciences, the University of Tampere), supports the approval of the dissertation as a thesis for the doctoral degree in Philosophy and proposes the grade Pass.

Under section 44 of the Universities Act (24 July 2009/558), the author of the dissertation must be given an opportunity to submit a response on the statement of the preliminary examiner, examiner or opponent. The doctoral candidate has no comments on the opponent's statement, which is appended to the item.



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According to section 29 of the Universities Act (558/2009), only members of a multi-member administrative body or deputy members with the same degree level or who have been appointed as a professor may participate in the assessment of the thesis.

Proposal Based on the statements given in the matter, the Faculty Council grades Laura Kalevo's (Master of Science in Technology) doctoral dissertation as Pass.

Decision As proposed.

Appendices

23 Statement from the opponent Matti Mäntysalo



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Record entry No. 106/03.04.09/2022

Prepared by Kaisa Laitinen

11

Grading Sughra Mohamed's (Msc) doctoral dissertation in Physics

According to section 9 of the Regulations of the University of Eastern Finland, the Faculty Council is tasked with grading doctoral dissertations. According to section 18 of the standing rules of the Faculty of Science and Forestry on degrees and studies, doctoral dissertations are graded on a scale fail – pass – pass with distinction.

Sughra Mohamed's (Msc) doctoral dissertation and research titled [Confinement and tailoring of light in plasmonic and photonic crystals](#) has been publicly examined on 9 December 2022. The opponent, Professor Peter G. Kazansky (Optoelectronics Research Centre, University of Southampton, UK), supports the approval of the dissertation as a thesis for the doctoral degree in Philosophy and proposes the grade Pass.

Under section 44 of the Universities Act (24 July 2009/558), the author of the dissertation must be given an opportunity to submit a response on the statement of the preliminary examiner, examiner or opponent. The doctoral candidate has no comments on the opponent's statement, which is appended to the item.



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According to section 29 of the Universities Act (558/2009), only members of a multi-member administrative body or deputy members with the same degree level or who have been appointed as a professor may participate in the assessment of the thesis.

Proposal Based on the statements given in the matter, the Faculty Council grades Sughra Mohamed's (MSc) doctoral dissertation as Pass.

Decision As proposed.

Appendices

24 Statement from the opponent Peter G. Kazansky



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Prepared by Kaisa Laitinen

12

Grading Mohammedhossain Ebrahim's (MSc) doctoral dissertation in Applied Physics

According to section 9 of the Regulations of the University of Eastern Finland, the Faculty Council is tasked with grading doctoral dissertations. According to section 18 of the standing rules of the Faculty of Science and Forestry on degrees and studies, doctoral dissertations are graded on a scale fail – pass – pass with distinction.

Mohamedhossein Ebrahim's (MSc) doctoral dissertation and research titled [Structure, composition and function of human tibiofemoral joint cartilage – Experimental and computational analysis of healthy and osteoarthritic tissue](#) has been publicly examined on 18 November 2022. The opponent, Professor Virginia L. Ferguson (College of Engineering and Applied Science, University of Colorado Boulder, Colorado, USA), supports the approval of the dissertation as a thesis for the doctoral degree in Philosophy and proposes the grade Pass with distinction. The dissertation's preliminary examiners, Professor Bernd Rolauffs (Department of Orthopedics and Trauma Surgery, Albert-Ludwigs-Universität Freiburg, Freiburg im Breisgau, Germany) and Assistant Professor Michael B. Albro (College of Engineering, Boston University, Boston, Massachusetts, USA), agree with the grade proposed by the opponent.

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Under section 44 of the Universities Act (24 July 2009/558), the author of the dissertation must be given an opportunity to submit a response on the statement of the preliminary examiner, examiner or opponent. The doctoral candidate has no comments on the opponent's and the preliminary examiners' statements, which are appended to the agenda item.

According to section 29 of the Universities Act (558/2009), only members of a multi-member administrative body or deputy members with the same degree level or who have been appointed as a professor may participate in the assessment of the thesis.

Proposal Based on the statements given in the matter, the faculty council grades Mohammedhossain Ebrahim's (MSc) doctoral dissertation as Pass with distinction.

Decision As proposed.

Appendices

- 25 Statement from the opponent Virginia L. Ferguson
- 26 Preliminary examiner Bernd Rolaufts's opinion on the proposed grade
- 27 Preliminary examiner Michael B. Albro's opinion on the proposed grade



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Record entry No. 106/03.04.09/2022

Prepared by Kaisa Laitinen

13

Grading Lizhi Liu's (MSc) doctoral dissertation in Applied Physics

According to section 9 of the Regulations of the University of Eastern Finland, the Faculty Council is tasked with grading doctoral dissertations. According to section 18 of the standing rules of the Faculty of Science and Forestry on degrees and studies, doctoral dissertations are graded on a scale fail – pass – pass with distinction.

Lizhi Liu's doctoral dissertation and research titled [Biomimetic nanoparticles with cell membrane coating for enhanced tumor targeting](#) has been publicly examined on 15 December 2022. The opponent, Professor Twan Lammers (Institute for Experimental Molecular Imaging, Institute for Experimental Molecular Imaging, RWTH Aachen University Clinic, Aachen, Germany) supports the approval of the dissertation as a thesis for the doctoral degree in Philosophy and proposes the grade Pass with distinction. The dissertation's preliminary examiners, Professor Frédérique Cunin (Institut Charles Gerhardt Montpellier, Université de Montpellier, Montpellier, France) and Professor Jessica Rosenholm (Faculty of Science and Engineering, Åbo Akademi University, Turku), agree with the grade proposed by the opponent.

Under section 44 of the Universities Act (24 July 2009/558), the author of the dissertation must be given an opportunity to submit a response on the

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statement of the preliminary examiner, examiner or opponent. The doctoral candidate has no comments on the opponent's and the preliminary examiners' statements , which are appended to the agenda item.

According to section 29 of the Universities Act (558/2009), only members of a multi-member administrative body or deputy members with the same degree level or who have been appointed as a professor may participate in the assessment of the thesis.

Proposal Based on the statements given in the matter, the faculty council grades Lizhi Liu's (MSc) doctoral dissertation as Pass with distinction.

Decision As proposed.

Appendices

- | | |
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| 28 | Statement from the opponent Twan Lammers |
| 29 | Preliminary examiner Frédérique Cunin's opinion on the proposed grade |
| 30 | Preliminary examiner Jessica Rosenholm's opinion on the proposed grade |



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Prepared by Kaisa Laitinen

14

Grading Elisa Männistö's (MA) doctoral dissertation in Forestry

According to section 9 of the Regulations of the University of Eastern Finland, the Faculty Council is tasked with grading doctoral dissertations. According to section 18 of the standing rules of the Faculty of Science and Forestry on degrees and studies, doctoral dissertations are graded on a scale fail – pass – pass with distinction.

Elisa Männistö's (MA) doctoral dissertation and research titled [Emissions of methane and other biogenic volatile organic compounds from boreal peatlands](#) has been publicly examined on 2 December 2022. The opponent, Professor Torben Røjle Christensen (Department of Ecoscience - Arctic Ecosystem Ecology, Aarhus University, Roskilde, Denmark) supports the approval of the dissertation as a thesis for the doctoral degree in Philosophy and proposes the grade Pass.

Under section 44 of the Universities Act (24 July 2009/558), the author of the dissertation must be given an opportunity to submit a response on the statement of the preliminary examiner, examiner or opponent. The doctoral candidate has no comments on the opponent's statement, which is appended to the item.



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According to section 29 of the Universities Act (558/2009), only members of a multi-member administrative body or deputy members with the same degree level or who have been appointed as a professor may participate in the assessment of the thesis.

Proposal Based on the statements given in the matter, the Faculty Council grades Elisa Männistö's (MA) doctoral dissertation as Pass.

Decision As proposed.

Appendices

31 Statement from the opponent Torben Røjle Christensen



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Prepared by Kaisa Laitinen

15

Grading Olufunmilayo Omolara Mofikoya's (MSc) doctoral dissertation in Chemistry

According to section 9 of the Regulations of the University of Eastern Finland, the Faculty Council is tasked with grading doctoral dissertations. According to section 18 of the standing rules of the Faculty of Science and Forestry on degrees and studies, doctoral dissertations are graded on a scale fail – pass – pass with distinction.

Olufunmilayo Omolara Mofikoya's (MSc) doctoral dissertation and research titled [Chemical Fingerprinting of Conifer Needle Extracts by Ultrahigh-Resolution Mass Spectrometry](#) has been publicly examined on December 19 2022. The opponent, Professor Carlos Cordeiro (Department of Chemistry and Biochemistry, University of Lisbon, Portugal), supports the approval of the dissertation as a thesis for the doctoral degree in Philosophy and proposes the grade Pass.

Under section 44 of the Universities Act (24 July 2009/558), the author of the dissertation must be given an opportunity to submit a response on the statement of the preliminary examiner, examiner or opponent. The doctoral candidate has no comments on the opponent's statement, which is appended to the item.



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According to section 29 of the Universities Act (558/2009), only members of a multi-member administrative body or deputy members with the same degree level or who have been appointed as a professor may participate in the assessment of the thesis.

Proposal Based on the statements given in the matter, the Faculty Council grades Olufunmilayo Omolara Mofikoya's (MSc) doctoral dissertation as Pass.

Decision As proposed.

Appendices

32 Statement from the opponent Carlos Cordeiro



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16

Grading Nkundwe Moses Mwasaga's (Msc) doctoral dissertation in Computer Science

According to section 9 of the Regulations of the University of Eastern Finland, the Faculty Council is tasked with grading doctoral dissertations. According to section 18 of the standing rules of the Faculty of Science and Forestry on degrees and studies, doctoral dissertations are graded on a scale fail – pass – pass with distinction.

Nkundwe Moses Mwasaga's (MSc) doctoral dissertation and research titled [Design and evaluation of micro high-performance computing as an educational tool to improve high-performance computing usability](#) has been publicly examined on 19 December 2022. The opponent, Professor Jussi Kasurinen (School of Engineering Science, LUT University, Lappeenranta), supports the approval of the dissertation as a thesis for the doctoral degree in Philosophy and proposes the grade Pass.

Under section 44 of the Universities Act (24 July 2009/558), the author of the dissertation must be given an opportunity to submit a response on the statement of the preliminary examiner, examiner or opponent. The doctoral candidate has no comments on the opponent's statement, which is appended to the item.



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According to section 29 of the Universities Act (558/2009), only members of a multi-member administrative body or deputy members with the same degree level or who have been appointed as a professor may participate in the assessment of the thesis.

Proposal Based on the statements given in the matter, the Faculty Council grades Nkundwe Moses Mwasaga's (MSc) doctoral dissertation as Pass.

Decision As proposed.

Appendices

33 Statement by the opponent Jussi Kasurinen



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17

Grading Ali Mohammad's (MSc) doctoral dissertation in Applied Physics

According to section 9 of the Regulations of the University of Eastern Finland, the Faculty Council is tasked with grading doctoral dissertations. According to section 18 of the standing rules of the Faculty of Science and Forestry on degrees and studies, doctoral dissertations are graded on a scale fail – pass – pass with distinction.

Ali Mohammad's (MSc) doctoral dissertation and research titled [Characterization, imaging and computational modeling of joint and articular cartilage injuries](#) has been publicly examined on 1 December 2022. The opponent, Associate Professor Ara Nazarian (Center for Advanced Orthopaedic Studies, Harvard Medical School, Boston, USA), supports the approval of the dissertation as a thesis for the doctoral degree in Philosophy and proposes the grade Pass with distinction. One of the dissertation's preliminary examiners, Assistant Professor Brad Nelson (College Of Veterinary Medicine and Biomedical Sciences, Colorado State University, Fort Collins, Colorado, USA), agrees with the grade proposed by the opponent, but the other preliminary examiner, Professor Tim Ricken (Institute of Mechanics, Structural Analysis and Dynamics of Aerospace Structures, University of Stuttgart, Stuttgart, Germany), disagrees.

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Under section 44 of the Universities Act (24 July 2009/558), the author of the dissertation must be given an opportunity to submit a response on the statement of the preliminary examiner, examiner or opponent. The doctoral candidate has no comments on the opponent's statement or the statement by Assistant Professor Nelson, but the doctoral candidate has submitted a response to Professor Ricken's statement. The statements from the opponent and the preliminary examiners as well as the doctoral candidate's response are appended to the agenda item.

According to section 29 of the Universities Act (558/2009), only members of a multi-member administrative body or deputy members with the same degree level or who have been appointed as a professor may participate in the assessment of the thesis.

Proposal Based on the statements given in the matter, the faculty council grades Ali Mohammed's (MSc) doctoral dissertation as Pass.

Decision As proposed.

Appendices

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|----|--|
| 34 | Statement from the opponent Ara Nazarian |
| 35 | Preliminary examiner Brad Nelson's opinion on the proposed grade |
| 36 | Preliminary examiner Tim Ricken's opinion on the proposed grade |
| 37 | Doctoral candidate Ali Mohammed's response |

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For information

Statistics on Bachelor's, Master's and Doctor's degrees of the Faculty 12 December 2022 (appendix)

Faculty's doctoral dissertations on 12 December 2022: graduates in green, those who have been granted a permit for public examination of dissertation in yellow, and those who have started their dissertation in blue (appendix)

Current issues in the Faculty.

Proposal Marked for information.

Decision As proposed.

Appendices

- | | |
|----|---|
| 38 | Degree Statistics 12 December 2022 |
| 39 | Doctoral dissertation overview 12 December 2022 |



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Closing of the meeting

The Chair ended the meeting at 13.41.



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Translation of the agenda/minutes 20.12.2022

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

40 Minutes 20.12.2022.