

CONTACT INFORMATION

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PERSONAL INFORMATION

Name: Mikko Paavali Partanen
Date of birth: 22.6.1982
Student number: 58349A

Accepted as an undergraduate student: 6.7.2001
Accepted as a postgraduate student: 14.5.2007

PREVIOUS DEGREES

Master of Science in Technology, Degree Programme of Electronics and Electrical Engineering, 23.4.2007
Part one of the degree, 2.11.2004

AREAS OF EDUCATION

Department: Department of Electrical and Communications Engineering
Valid: 14.5.2007 -
Degree regulations: Degree Regulations for 2005
Degree: Doctor of Science (Technology)
Major subject: Micro and Nanotechnology (S104Z)
Module: Studies in Supplementary Field

SUMMARY OF CREDITS EARNED

Possible overlappings have not been removed. The scope is given both in old credits (ocr) and in credits (cr). One old credit is equivalent to 1,5 credits.

Academic year	Autumn	Spring	Num	Original scope		Total scope	
				ocr	cr	ocr	cr
2001-2002	Absent	Absent	0	0,0	0,0	0,0	0,0
2002-2003	Present	Present	9	35,0	0,0	35,0	52,5
2003-2004	Present	Present	19	42,5	0,0	42,5	63,8
2004-2005	Present	Present	15	44,0	0,0	44,0	66,0
2005-2006	Present	Present	14	11,0	38,0	36,3	54,5
2006-2007	Present	Present	3	24,0	0,0	24,0	36,0
2007-2008	Present	Present	0	0,0	0,0	0,0	0,0
Total			60	156,5	38,0	181,8	272,8

List of courses on the following pages.

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COURSES COMPLETED

Code	Course	Credits	Gr	Date	Teacher
Part one of the degree					
Kie-98.013	Examination of the Second Official Language	1,0 ocr	tt	20.1.2004	Eija Ketelä
Kie-98.516	Scitech on the Internet	2,0 ocr	hyv	2.11.2004	Ruth Vilmi
Mat-1.421	Basic Course in Mathematics S 1	6,0 ocr	5	12.12.2002	Jarmo Malinen, Ville Turunen
Mat-1.422	Basic Course in Mathematics S 2	6,0 ocr	5	5.5.2003	Seppo Weikkolainen, Erkki Somersalo
Mat-1.423	Basic Course in Mathematics S 3	6,0 ocr	5	11.12.2003	Kirsi Peltonen, Erkki Somersalo
Mat-2.091	Applied Probability	3,0 ocr	5	12.5.2004	Jyrki Möttönen
S-104.101	Physics I (Est)	4,5 ocr	5	9.12.2002	Markku Sopanen
S-104.102	Physics II (Est)	4,5 ocr	5	7.5.2003	Harri Lipsanen
S-108.195	Fundamentals of Measurements	2,5 ocr	2	15.12.2003	Mikko Merimaa
S-26.003	Orientation Course for Studies in Electronics and Electrical Engineering	1,0 ocr	hyv	19.12.2002	Antti Räisänen
S-55.141	Circuit Analysis 1	3,0 ocr	4	10.12.2002	Martti Valtonen
S-55.142	Circuit Analysis 2	3,0 ocr	3	7.4.2003	Martti Valtonen
S-72.060	Signals and Systems	3,0 ocr	4	5.4.2004	Sven-Gustav Häggman, Seppo Saastamoinen
S-87.010	Electronics I	4,0 ocr	2	19.12.2003	Kimmo Koli
S-88.110	Digital and Computer Technology, basic course	2,0 ocr	3	18.12.2002	Jorma Skyttä, Matti Tommiska
S-96.111	Static Field Theory	3,0 ocr	4	8.12.2003	Ari Sihvola
S-96.121	Dynamic Field Theory	3,0 ocr	4	8.3.2004	Ari Sihvola
Tfy-3.154	Physics, laboratory course	2,0 ocr	hyv	9.1.2004	Jouko Lahtinen
TU-22.101	Introduction to Industrial Management	4,0 ocr	3	5.9.2003	
T-106.001	Computer as a Tool	1,0 ocr	5	17.2.2004	Aura Paloheimo
T-106.216	Basic Course in Programming Y1	5,0 ocr	4	31.5.2003	Kerttu Pollari-Malmi
Vie-98.220	Speech Communication	2,0 ocr	hyv	8.3.2004	Tiina Tassia
Total credits:		71,5 ocr			
Average grade:			4,14		
Grade:		Very good			

Options

Option: Electrophysics

Kem-35.110	Principles and Applications of Chemistry	3,0 ocr	4	23.5.2005	Jukka Toivonen
Mat-1.404	Basic Course in Mathematics L 4	6,0 ocr	2	25.4.2005	Timo Eirola, Matti Lassas
Mat-2.107	Computational Assignments in Applied Mathematics	1,0 ocr	hyv	21.12.2004	Jyri Mustajoki
S-104.370	Semiconductor Physics	3,0 ocr	5	16.5.2005	Harri Lipsanen
S-108.181	Optics	2,0 ocr	4	7.12.2004	Erkki Ikonen
S-114.100	Computational Science P	3,0 ocr	5	28.2.2005	Laura Juvonen
S-114.425	Physics III (Sf)	4,0 ocr	5	17.12.2004	Jaakko Tulkki
S-114.426	Physics IV (Sf)	4,0 ocr	5	13.4.2007	Jaakko Tulkki
S-69.101	Basic Course in Semiconductor Technology	3,0 ocr	5	10.12.2004	Pekka Kuivalainen
T-106.253	Data Structures and Algorithms Y	3,0 ocr	5	6.6.2005	Ari Korhonen

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Code	Course	Credits	Gr	Date	Teacher
Total credits:		32,0	ocr		
Average grade:			4,25		
Grade:		Very good			

Studies in Major

Micro- and Nanosystems

S-104.371	Optoelectronics	3,0	ocr	4	13.12.2004	Pauli Kiiveri
S-104.374	Photonics and Integrated Optics	3,0	ocr	5	11.5.2005	Pauli Kiiveri
S-104.398	Optoelectronics, special assignment	5,0	ocr	5	1.9.2005	Harri Lipsanen
S-129.3210	Microsystem Technology	5,0	cr	4	12.12.2005	Sami Franssila
S-129.3220	Laboratory Course on Microsystems	5,0	cr	4	2.6.2006	Sami Franssila
Tfy-125.321	Laser Technology and Optics	4,0	ocr	4	19.12.2005	Matti Kaivola
Total credits:		21,7	ocr			
Average grade:				4,36		
Grade:		Very good				

Studies in First Minor

Industrial Management

Maa-29.1301	Elementary Law	2,0	cr	3	24.4.2006	Pekka Kolppanen
TU-22.1115	Design of Production Systems B	4,0	cr	3	17.12.2005	Eero Eloranta
TU-22.1120	Introduction to Project Management	3,0	cr	5	8.4.2006	Karlos Arto
TU-22.1130	Accounting and Profitability	4,0	cr	3	6.2.2006	Jouko Karjalainen
TU-22.1144	Corporate Finance	3,0	cr	4	6.3.2006	Jouko Karjalainen
TU-22.1202	Logistics	3,0	cr	3	7.7.2006	Kari Tanskanen
TU-22.1302	Quality Management	3,0	cr	4	19.5.2006	Paul Lillrank
TU-53.140	Leadership in Organizations	2,0	ocr	2	22.11.2004	Paul Buhanist
TU-91.1002	Marketing Management	3,0	cr	4	25.1.2006	Juha Mattsson
T-124.5600	Yrityspeli L	3,0	cr	4	4.5.2006	Juuso Töyli
Total credits:		20,7	ocr			
Average grade:				3,48		
Grade:		Good				

Other elective studies

Eri-0.160	Conducting Small Group Activities	1,0	ocr	hyv	27.2.2004	Pia-Christine Rydestedt
Kie-98.008	Preparation Course for the Swedish Language Test	1,0	ocr	hyv	8.1.2004	Eija Ketelä
Kie-98.012	Examination of the Second Official Language	0,0	ocr	tt	20.1.2004	Eija Ketelä
S-38.105	Principles in Communication Engineering	1,0	ocr	4	20.3.2004	Kirsi Willa
TU-53.100	Basics of Work Psychology and Leadership	2,0	ocr	2	3.6.2004	Paul Buhanist
TU-53.102	Work Psychology and Leadership Forum	1,0	ocr	hyv	8.3.2004	Veikko Teikari
T-106.061	Information Technology - Laboratory Course	2,0	ocr	3	24.9.2003	Aura Paloheimo
Vie-98.233	Debating Skills	2,0	ocr	hyv	2.12.2004	Eeva-Leena Aittoniemi

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Code	Course	Credits	Gr	Date	Teacher
Total credits:		10,0	ocr		
Average grade:			2,80		
Grade:			Good		

Practical training

Harj-0.101	Professional Training	4,0	ocr	hyv	19.11.2004	Pekka Wallin
Harj-0.101	Professional Training	2,0	ocr	hyv	17.11.2005	Pekka Wallin
Total credits:		6,0	ocr			
Grade:			Pass			

Master's thesis

S-104.dipl	Master's Thesis Mikromekaanisen kulmanopeusanturin tuotannollisen testauksen kehittäminen	20,0	ocr	5	23.4.2007	Harri Lipsanen
S-104.kyps	Maturity Test	0,0	ocr	hyv	3.4.2007	Harri Lipsanen, Inkeri Lehtimaja
Total credits:		20,0	ocr			
Average grade:			5,00			
Grade:			Excellent			

SUMMARY OF CREDITS EARNED

Total credits:	272,8	cr
Average grade:	4,17	

The scopes of studies are measured in old credits (ocr) or in credits (cr). One old credit indicates an input of approximately 40 hours of work of a student. In credit system the average number of hours demanded by one academic year of studies, 1600 hours, is equivalent to 60 credits.

Grading: pass (hyv), excellent (5), very good (4), good (3), very satisfactory (2) and satisfactory (1). The examination of an official language: good (ht) and satisfactory (tt).

Average grades are calculated by weighting the course grades according to their credits which are graded: excellent (5), very good (4), good (3), very satisfactory (2) and satisfactory (1). If a course is assessed simply as pass, it is not included in the average. Decimals are truncated without rounding up.

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Espoo, 24 May 2007

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