

UNIVERSITY OF ALBERTA - UNOFFICIAL RECORD

Student Name: Shah Asifur Rahman
(Surname last)

ID Number: 1229784

Month and Day of Birth: December 20

Date of Issue: 09-OCT-2014

January, 2009: Admitted to the Faculty of Graduate Studies and Research, Doctor of Philosophy program, Electrical and Computer Engineering, on the basis of a BScEng, 2003 from the Bangladesh Institute of Technology, Bangladesh; and an MSc, 2008 from Chalmers University of Technology, Sweden.

Winter Term 2009 **Doctor of Philosophy**
Electrical and Computer Engineering

| Course | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|----------|-----------------|-----------------|----------------|-----------------|-----------------|--------------|---------------|
| THES 909 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 373 |

Fall Term 2009 **Doctor of Philosophy**
Electrical and Computer Engineering

| Course | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|---------|---|-----------------|----------------|-----------------|-----------------|--------------|---------------|
| ECE 630 | CIRCUIT DES TECH FOR PWR ELECT | A | 3.0 | 3.0 | 12.00 | 3.5 | 19 |
| ECE 633 | MODEL/SIMUL ELECTROMAG TRANS | A+ | 3.0 | 3.0 | 12.00 | 3.9 | 20 |
| ECE 730 | ADVANCED TOPICS IN POWER ENG | A | 3.0 | 3.0 | 12.00 | 3.5 | 22 |
| | Power Converters & Renewable Energy Systems | | | | | | |
| | TOTALS | | 9.0 | 9.0 | 36.00 | | |

Winter Term 2010 **Doctor of Philosophy**
Electrical and Computer Engineering

| Course | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|----------|-------------------------------------|-----------------|----------------|-----------------|-----------------|--------------|---------------|
| ECE 602 | PHD RSCH PROJECT DEFINITION | CR | 2.5 | 2.5 | 0.00 | 0.0 | 58 |
| ECE 730 | ADVANCED TOPICS IN POWER ENG | A | 3.0 | 3.0 | 12.00 | XXX | 1 |
| | Title: Advanced Electrical Machines | | | | | | |
| ECE 730 | ADVANCED TOPICS IN POWER ENG | A | 3.0 | 3.0 | 12.00 | 3.0 | 29 |
| | Clean Energy and Electrical Systems | | | | | | |
| ENGG 600 | ENGINEERING ETHICS & INTEGRITY | CR | 0.5 | 0.5 | 0.00 | XXX | 453 |
| | TOTALS | | 9.0 | 9.0 | 24.00 | | |

GPA: 60.00 grade points / 15.0 units taken = 4.0

Fall Term 2010 **Doctor of Philosophy**
Electrical and Computer Engineering

| Course | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|----------|-----------------|-----------------|----------------|-----------------|-----------------|--------------|---------------|
| THES 909 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 395 |

Winter Term 2011 **Doctor of Philosophy**
Electrical and Computer Engineering

| Course | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|----------|-----------------|-----------------|----------------|-----------------|-----------------|--------------|---------------|
| THES 919 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | 0.0 | 1964 |

Fall Term 2011 **Doctor of Philosophy**
Electrical and Computer Engineering

| Course | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|----------|-----------------|-----------------|----------------|-----------------|-----------------|--------------|---------------|
| THES 919 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 1978 |

Winter Term 2012 **Doctor of Philosophy**
Electrical and Computer Engineering

| Course | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|----------|-----------------|-----------------|----------------|-----------------|-----------------|--------------|---------------|
| THES 919 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 1971 |

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Student Name: Shah Asifur Rahman
(Surname last)

ID Number: 1229784

Month and Day of Birth: December 20

Date of Issue: 09-OCT-2014

June 28, 2012: Doctoral Candidacy Examination Completed
Doctor of Philosophy

Fall Term 2012 **Doctor of Philosophy**
Electrical and Computer Engineering

| Course | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|----------|-----------------|-----------------|----------------|-----------------|-----------------|--------------|---------------|
| THES 919 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 1960 |

Winter Term 2013 **Doctor of Philosophy**
Electrical and Computer Engineering

| Course | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|----------|-----------------|-----------------|----------------|-----------------|-----------------|--------------|---------------|
| THES 919 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 1862 |

Fall Term 2013 **Doctor of Philosophy**
Electrical and Computer Engineering

| Course | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|----------|-----------------|-----------------|----------------|-----------------|-----------------|--------------|---------------|
| THES 919 | THESIS RESEARCH | IN | 0.0 | 0.0 | 0.00 | XXX | 1460 |

Winter Term 2014 **Doctor of Philosophy**
Electrical and Computer Engineering

| Course | Description | Grade Remark | Units Taken | Units Passed | Grade Points | Class Avg | Class Enrl |
|----------|-----------------|-----------------|----------------|-----------------|-----------------|--------------|---------------|
| THES 919 | THESIS RESEARCH | CR | 0.0 | 0.0 | 0.00 | XXX | 1254 |

August 22, 2014: Academic Integrity & Ethics Training Component met
Doctor of Philosophy

August 27, 2014: Graduate Program Completed
Doctor of Philosophy
THESIS TITLE: Performance and Core Loss Validation of Concentrated Winding IPMSM
with Different Core Treatment