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For details about *University of Saskatchewan's* grading scales, academic standing and continuance policies, please refer to the institutional legend.

The language of instruction and examination at the University of Saskatchewan is English.

Designated Learning Institution (DLI) Number for University of Saskatchewan: O19425660421

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Student No: 11078178

Date of Birth: 10-May

Date Issued: 15-Jul-2024

Official

Record of: Alvin Ceniza Alvarado

Page: 1

Degree Awarded: Master of Science 22-October-2011

Major : Agri and Bioresource Engineer

Control of Hydrogen Sulphide, Ammonia and Odour Emissions from Swine Barns using Zinc Oxide Nanoparticles

Level: Graduate

COURSE	DESCRIPTION	CREDIT UNITS	GRADE	COMMENT
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INSTITUTION CREDIT:**2009 Winter Term**

ABE 807	Advanced Measurements	3	72	
ABE 840	Building Science	3	82	
ABE 990	Seminar	0	IP	
ABE 994	Research - Thesis	0	IP	

2009 Spring Term

ABE 994	Research - Thesis	0	IP	
GSR 960	Introduction Ethics Integrity	0	CR	
GSR 962	Ethics Integrity Animal Rsrch	0	CR	

2009 Summer Term

ABE 994	Research - Thesis	0	IP	
GSR 960	Introduction Ethics Integrity	0	CR	
GSR 962	Ethics Integrity Animal Rsrch	0	CR	

2009 Fall Term

ABE 898	Infrared & Soft-Ray Spectro.	3	92	
ABE 990	Seminar	0	IP	
ABE 994	Research - Thesis	0	IP	
STAT 845	Statistical Research Methods	3	91	

2010 Winter Term

ABE 990	Seminar	0	IP	
ABE 994	Research - Thesis	0	IP	
ME 843	Materials Characterize Techniq	3	89	

2010 Spring Term

ABE 994	Research - Thesis	0	IP	
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2010 Summer Term

ABE 994	Research - Thesis	0	IP	
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Level: Graduate

COURSE	DESCRIPTION	CREDIT UNITS	GRADE	GRADE COMMENT
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2010 Fall Term

ABE 990	Seminar	0	IP	
ABE 994	Research - Thesis	0	IP	

2011 Winter Term

ABE 990	Seminar	0	IP	
ABE 994	Research - Thesis	0	IP	

2011 Spring Term

ABE 994	Research - Thesis	0	CR	
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2011 Summer Term

ABE 994	Research - Thesis	0	CR	
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2021 Winter Term

APMC 830	Adv Enviro Microbiology	3	85	
BLE 990	Seminar	0	IP	
BLE 996	Research - Dissertation	0	IP	

2021 Spring Term

BLE 996	Research - Dissertation	0	IP	
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2021 Summer Term

BLE 996	Research - Dissertation	0	IP	
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2021 Fall Term

BLE 990	Seminar	0	IP	
BLE 996	Research - Dissertation	0	IP	

2022 Winter Term

BLE 990	Seminar	0	IP	
BLE 996	Research - Dissertation	0	IP	

2022 Spring Term

BLE 996	Research - Dissertation	0	IP	
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2022 Summer Term

BLE 996	Research - Dissertation	0	IP	
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2022 Fall Term

BLE 990	Seminar	0	IP	
BLE 996	Research - Dissertation	0	IP	
CHE 898	Fundamen of Adsorp and Biosorp	3	96	

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Level: Graduate

COURSE	DESCRIPTION	CREDIT UNITS	GRADE	GRADE COMMENT
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2023 Winter Term

BLE 990	Seminar	0	IP	
BLE 996	Research - Dissertation	0	IP	

2023 Spring Term

BLE 996	Research - Dissertation	0	IP	
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2023 Summer Term

BLE 996	Research - Dissertation	0	IP	
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2023 Fall Term

BLE 811	Modeling of Food Processes	3	AU	
BLE 990	Seminar	0	IP	
BLE 996	Research - Dissertation	0	IP	

2024 Winter Term

BLE 990	Seminar	0	IP	
BLE 996	Research - Dissertation	0	IP	

2024 Spring Term

BLE 996	Research - Dissertation	0	IN PROGRESS	
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2024 Summer Term

BLE 996	Research - Dissertation	0	IN PROGRESS	
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***** END OF TRANSCRIPT *****


Registrar

University of Saskatchewan

The University of Saskatchewan is a degree-granting institution under the authority of the Province of Saskatchewan, and a member of Universities Canada.

General Information

This transcript is a record of academic work undertaken at the University of Saskatchewan only. Students are responsible for supplying official transcripts for work completed at other institutions. The recipient is asked not to release this transcript, or copies of it, to the student whose record it contains or to any other agency.

A student is in good standing unless otherwise noted. Notations such as "Required to Discontinue" are for academic reasons and are for a period of one year unless otherwise noted.

For more complete information, consult the University Catalogue at programs.usask.ca.

Academic Year

The Academic Catalogue Year starts on May 1st.

The University of Saskatchewan offers classes during four academic terms. The Spring and Summer Terms consist of two seven-week terms: Spring (May to June) and Summer (July to August). The Regular Terms consist of two 13 week terms: Fall (September to December) and Winter (January to April).

A typical full undergraduate course load during the Fall and Winter terms is a combined 30 credit units.

Units of Instruction

Courses are assigned credit units.

Since 1982, a credit unit is the basic unit of instruction. A typical two-term course which meets for approximately 3 hours per week is 6 credit units, and a single-term course is 3 credit units, although courses of other weights exist.

For information about units of instruction prior to 1982, please visit <https://students.usask.ca/academics/grading/grading-system.php>.

Course Numbering

More information can be found on the Academic and Curricular Nomenclature Report. <https://governance.usask.ca/governance/nomenclature.php>

Non-University Level

001-089 Courses intended primarily for non-degree credit programs (e.g., Business Administration Certificate and Diploma in Agriculture courses).

Undergraduate Degree

Junior level

090-099 Courses which do not require Grade 12 level preparation as a prerequisite. These numbers are used when a department also offers a junior level course in a subject for students with Grade 12 preparation.

100-109 General introductory courses not usually intended as preparation for more advanced study in the subject but designed to acquaint students with a field of knowledge in which they do not propose to specialize.

110-199 All other courses offered for junior undergraduate level credit.

Senior level

200-699 Courses intended for the upper years of direct entry degree programs or for all years of non-direct entry programs. In direct entry programs the first digit will usually indicate the year of the program for which the course has been designed.

For non-direct entry programs, first year courses are numbered 200-299, second year courses 300-399, etc.

Graduate Degree

Junior level

700-799 Introductory courses, usually intended for graduate students who have not had the generally expected undergraduate preparation in the subject.

Senior level

800-899 Courses which may be taken only by students who have completed the undergraduate level preparation generally expected for graduate level courses in the subject.

990 Graduate seminars.

992 Non-thesis graduate projects.

994 Master's program thesis.

996 Doctoral program thesis.

Current Grading Practice

Percentage Grades

Undergraduate level (after Sept. 1986)*		Graduate level (after May 1996)*	
90-100%	Exceptional	90-100%	Exceptional
80-89%	Excellent	80-89%	Very good to excellent
70-79%	Good	70-79%	Satisfactory to good
60-69%	Satisfactory	60-69%	Poor
50-59%	Minimal Pass	0-59%	Failure
0-49%	Failure		

*Several colleges have adopted a separate list of descriptors since 1986 to reflect the different performance expectation for certain programs. The full list of descriptions can be found in Section 6 of The Academic Courses Policy (policies.usask.ca/policies/academic-affairs/academic-courses.php). The Academic Courses Policy also includes information about the grading symbols and notations used below.

Former Grading Practices

Former Grading practices are available at: students.usask.ca/academics/grading/grading-system.php

Symbols and Notations Used

Code	Description
AEG	Aegrotat standing
ABF	Absent Failure
AU	Audit
CR	Completed Requirements
DEFG	Deferred Examination Granted
DR	Dropped
EX	Exempt
F	Failure
IP	In Progress
INF	Incomplete Failure
N	No credit allowed by college of registration
NA	Not Applicable
NGR	No Grade Reported
P	Pass standing
R	Credit now allowed by college for previous N grade
S	Failure – Supplemental examination approved
SA	Failure – Supplemental examination approved
SPECDFG	Special Deferred Examination Granted
SPECSPG	Special Supplemental Examination Granted
SPECSUP	Special Supplemental Examination Written
SUPP	Supplemental Examination Written
SUPPG	Supplemental Examination Granted
W	Withdrawal (no academic penalty)
WAU	Withdrawal from Audit
WF	Withdrawal Failure (no longer used as of May 1, 2012)