

**ASM 379 (40648) — Precision Ag. trip to Germany (3 credits), Spring 2025**

**Class meets in Ladd 114 or 107 at 5 pm (*Tentative dates on Page 4*)**

**Trip is March 6 to March 16, 2025**

**Instructor and contact information**

*Name:* Mr. Matt Olhoft

*Office location:* Ladd 104H

*Contact Information:* [matthew.olhoft@ndsu.edu](mailto:matthew.olhoft@ndsu.edu) and Phone: 701-231-7269

*Office hours:* Mondays 10 a.m. – Noon; Thursdays 3-5 p.m.; and by appointment via email

**Bulletin Description**

Classroom time will be once a week before the trip and one week after returning from the trip. The idea of this class is to present a larger world view of precision ag. and to promote cultural awareness and understanding through worldwide agriculture. Students will experience international travel and a foreign country first hand.

**Prerequisite**

None

**Textbook**

None

**Mode of Presentation**

Lecture with PowerPoint and physical travel

**Required Resources**

Access to a computer, a good attitude, and a willingness to travel and learn.

**Course Fee**

Students will be required to purchase a travel package to Germany via NDSU travel abroad.

**Blackboard**

Blackboard will be used for announcements, and grade presentation

**Course Objectives**

1. To develop an understanding of new ag. technologies in other countries.
2. To develop and practice good communication skills.
3. To develop and practice basic responsibility for task management and completion.
4. To develop higher-level thinking by preparing presentations for class and interaction through foreign travel with citizens of another country.

**Syllabus Learning Outcomes:**

1. To develop an understanding of new ag. technologies in other countries.
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## ABET Student Outcomes

Students completing this course should demonstrate the program educational objective B and student outcomes 3 and 5 in Table 1.

Table 1. ABEN program educational objectives and supporting student outcomes. \*

Graduates are expected to have established themselves as practicing engineers who, within a few years of graduation:	
A	<p>Successfully address emerging engineering challenges in the design or evaluation of machine systems, processing systems, and natural resources and environmental systems affecting the production of food, feed, and other biobased products.</p> <p>Technical learning outcomes include student outcomes (1), (2), and (6):</p> <ol style="list-style-type: none"><li>1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics (a, e)†</li><li>2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors (c)</li><li>6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions (b)</li></ol>
B	<p>Effectively use professional communication, critical thinking, and interpersonal skills as team leaders and team members.</p> <p>Communicational learning outcomes include student outcomes (3) and (5):</p> <ol style="list-style-type: none"><li>3. an ability to communicate effectively with a range of audiences (g)</li><li>5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives (d)</li></ol>
C	<p>Responsibly serve the public and their employers by participating in professional development and by maintaining the highest standard of professional ethics.</p> <p>Contextual learning outcomes include student outcomes (4) and (7):</p> <ol style="list-style-type: none"><li>4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts (f, h, j)</li><li>7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies (i)</li></ol>
D	<p>Express themselves with professional oral and written communication, value their professionalism, work effectively in teams, and recognize the need for and importance of lifelong learning.</p>

\* See [https://www.ndsu.edu/aben/about/abet\\_accredited/](https://www.ndsu.edu/aben/about/abet_accredited/) for the current ABEN program educational objectives. See <https://www.abet.org/accreditation/accreditation-criteria/criteria-for-accrediting-engineering-programs-2021-2022/> for information on ABET student outcomes 1-7, effective as part of the "Criteria for Accrediting Engineering Programs, 2021-2022."

† ABET student outcomes (a) – (k) from the previous review cycle are included for cross-referencing only. Former student outcome (k) is implied in (1), (2), and (6).

## Missing Meeting

The meeting dates are set at the beginning of the semester. All other extracurricular activities should not be scheduled on these dates. If for some **emergency reasons**, someone misses a meeting, the instructor or show managers **must** be notified **BEFORE** the meeting. Notification by e-mail or other written formats are acceptable. Missing a meeting without notifying the instructor or show managers **BEFORE** the date will result in a **"0"** for that meeting - **no exceptions!**

## Evaluation Procedures and Grading Criteria

Table 2. Students will be evaluated according with the 3 criteria in the table below.

Category	----- % of the total grade* -----
1. Meetings (eight meetings, 10 pts each)	80
2. Trip preparations (one time, 10 points)	10
3. Completing foreign trip (one time, 110 points)	110
<b>Total</b>	<b>200</b>

\*Letter grades will be assigned using the following scale: A= 90.0-100%; B= 80.0-89.9%, C= 70.0-79.9%; D= 60-69.9%, and F= less than 60%.

### Missing Deadline

Deadlines **cannot** be made up. For legitimate emergency, contact the instructor or show managers before the deadline and possible allowance MIGHT be made. If you miss a deadline, your score for the deadline is **"0"**.

### Missing the Trip

Students are required to attend the trip for its entire duration. **Missing the trip is not an option.** Students that miss the trip will receive a grade "F".

### Academic Honesty

The academic community is operated on the basis of honesty, integrity, and fair play. [NDSU Policy 335: Code of Academic Responsibility and Conduct](#) applies to cases in which cheating, plagiarism, or other academic misconduct have occurred in an instructional context. Students found guilty of academic misconduct are subject to penalties, up to and possibly including suspension and/or expulsion. Student academic misconduct records are maintained by the [Office of Registration and Records](#). Informational resources about academic honesty for students and instructional staff members can be found at [www.ndsu.edu/academichonesty](http://www.ndsu.edu/academichonesty).

### Students with special requirements

Any students with disabilities who need accommodations in this course are invited to share these concerns or requests with the instructor and contact the [Center for Accessibility and Disability Resources](#) as soon as possible.

### Veterans and military personnel

Veterans or military personnel with special circumstances or who are activated are encouraged to notify the instructor as early as possible and are encouraged to provide Activation Orders.

### Family Educational Rights and Privacy Act (FERPA)

Your personally identifiable information and educational records as they relate to this course are subject to [FERPA](#).

### Important Dates (Full NDSU dates/deadlines can be found [here](#))

Jan 1              Wed              **HOLIDAY** — New Year's Day (*offices closed*)

Jan 13            Mon            Classes begin at 4:00 p.m.

Jan 14	Tue	First full day of classes
Jan 20	Mon	<b>HOLIDAY</b> — Martin Luther King, Jr. Day ( <i>no classes, offices closed</i> )
Jan 21	Tue	Last day to be added to Campus Connection <a href="#">Wait Lists</a>
Jan 23	Thu	Last day to <a href="#">Add</a> classes via Campus Connection* Permit needed after this date.
Jan 23	Thu	Last day for no-record <a href="#">Drop</a> of classes @ 100% refund* ( <i>full semester classes only</i> )
Jan 23	Thu	Last day to <a href="#">Withdraw to Zero Credits</a> @ 100% refund* ( <i>full semester classes only</i> )
Jan 23	Thu	Attempted credits calculated for financial aid <a href="#">SAP</a> (11:59 p.m.)**
Jan 23	Thu	Eligible Pell/TEACH/ND Grants/Scholarships based on enrollment at 11:59 p.m.
Jan 28	Tue	Financial aid applied to NDSU account balances
Jan 29	Wed	Payments due for NDSU account balances
Jan 31	Fri	Last day to submit ND Resident Student Status Application for Spring
Feb 3	Mon	Last day to submit requests to Audit, <a href="#">Pass/Fail</a>
Feb 10	Mon	Enrollment Census
Feb 17	Mon	<b>HOLIDAY</b> — Presidents' Day ( <i>no classes, offices closed</i> )
Feb 24	Mon	Last day to <a href="#">Withdraw to Zero Credits</a> @ 75% refund* ( <i>full semester classes only</i> )
Mar (1st Week)		Fall schedule available
Mar (2nd Week)		Fall <a href="#">registration appointment times</a> available

Mar 7	Fri	Grades of 'Incomplete' convert to 'F'
Mar 10-14	Mon-Fri	<b>Spring Break Week</b> ( <i>no classes, offices open</i> )
Mar 14	Fri	Graduate student <a href="#">Intent to Graduate</a> survey for spring and summer semester
Mar 15	Sat	Late fee applied to unpaid account balances (11:59 p.m.)
Mar 17	Mon	2nd half (8-week session) of Spring semester begins
Mar 17	Mon	Undergraduate Spring <a href="#">Graduation Applications</a> due
Mar 27	Thu	Last day to <a href="#">Withdraw to Zero Credits</a> @ 50% refund* ( <i>full semester classes only</i> ) <b><i>No refunds issued for withdraw to zero credits after this date.</i></b>
Mar 27	Thu	Summer and Fall registration begins online based on total credits completed
Apr 11	Fri	Last day to <a href="#">Drop</a> classes with 'W' record*
Apr 11	Fri	Last day to <a href="#">Withdraw to Zero Credits</a> for Spring
Apr 11	Fri	Spring Commencement Participation deadline
Apr 15	Tue	Late fees applied to unpaid account balances (11:59 p.m.)
Apr 16	Wed	Graduate student <a href="#">Oral Defense Deadline</a>
Apr 18	Fri	Graduate student <a href="#">Post-Defense Submission for Format Review</a>
Apr 18-21	Fri-Mon	<b>HOLIDAY</b> -- Spring Recess ( <i>no classes, offices closed Friday, offices open Monday</i> )
Apr 21	Mon	Registration appointment times no longer needed for Fall
May 5-9	Mon-Fri	<a href="#">Dead Week</a>

May 6	Tue	Grade entry begins
May 9	Fri	Last day of Spring classes
May 12-16	Mon-Fri	<a href="#">Final Examinations</a>
May 15	Thu	Late fees applied to unpaid account balances (11:59 p.m.)
May 16	Fri	Graduate student <a href="#">Final Degree Clearance Deadline</a>
May 16	Fri	<a href="#">Graduation Application</a> and <a href="#">fee</a> (Certificate and Plan C Students)
May 17	Sat	<a href="#">Commencement</a> ceremonies (10:00 a.m. & 2:00 p.m. in Fargodome)
May 20	Tue	Grades due (12:00 p.m.)
May 20	Tue	Student grade access begins online (late evening)

### Field Trips

Field trips may be required for this course or its lab. You will need to be prepared to leave campus and meet at a location or meet for transport to a location. Field trips will be scheduled during regular class hours, however, sometimes they last longer.

**Table 3. General Class Schedule**

Period	Date	Topic	Unit
1	Jan 15	1. Introduction presentations	
2	22	2. Special topic presentations	
3	29	3. Special topic presentations	
4	Feb 05	4. Special topic presentations	
5	12	5. Special topic presentations	
6	19	6. Special topic presentations	
7	26	7. Trip preparation review	
8	Mar 05	8. Final Q and A meeting	
9	6-16	Trip time	
10	19	9. Trip debriefing and sharing	