# Research in Agriculture Course No. 18206 Credit: 1.0

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| --- | --- | --- | --- |
| **Student name:**  |  | **Graduation Date:** |  |

Pathways and CIP Codes:Agribusiness Systems (01.0101); Comprehensive Agriculture Science (01.9999); Animal Science (01.0901); Biotechnology in Agriculture (26.1201); Food Products & Processing Systems (01.0401); Natural Resources & Environmental Systems (03.0101); Plant Systems (01.1101); Power, Structural & Technical Systems (01.0201)

Course Description:

Directions:The following competencies are required for full approval of this course. Check the appropriate number to indicate the level of competency reached for learner evaluation.

**RATING SCALE:**

4. Exemplary Achievement: Student possesses outstanding knowledge, skills or professional attitude.

3. Proficient Achievement:Student demonstrates good knowledge, skills or professional attitude. Requires limited supervision.

2. Limited Achievement:Student demonstrates fragmented knowledge, skills or professional attitude. Requires close supervision.

1. Inadequate Achievement:Student lacks knowledge, skills or professional attitude.

0. No Instruction/Training:Student has not received instruction or training in this area.

## Benchmark 1: Current Issues/Current Events

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 1.1 | Stay up to date on current agriculture events. |  |
| 1.2 | Research current issues affecting the agriculture industry.  |  |

## Benchmark 2: Positive & Negative Perspectives of Agriculture

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 2.1 | Research outlooks and perspectives on the agriculture industry different than your own  |  |
| 2.2 | Participate in a class debate over an agricultural issue  |  |

## Benchmark 3: Getting the Job

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 3.1 | Revise your Resume  |  |
| 3.2 | Write a cover letter  |  |
| 3.3 | Complete a job application  |  |
| 3.4 | Participate in a job interview  |  |
| 3.5 | Write a follow-up letter  |  |

## Benchmark 4: Furthering your Education

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 4.1 | Research and compare at least 3 different colleges or technical programs to further education in your pathway  |  |
| 4.2 | Brainstorm strategies to ensure success in your future education  |  |
| 4.3 | Apply for College Scholarships |  |
| 4.4 | Complete the FAFSA Financial Aid Form  |  |

## Benchmark 5: Life Long Learning/Professional Organizations in Agriculture

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 5.1 | Explore learning opportunities outside of traditional college experience  |  |
| 5.2 | Find learning opportunities within professional organizations relating to your pathway  |  |
| 5.3 | Conduct an interview with a local member of a professional organization in agriculture  |  |

## Benchmark 6: Business Etiquette

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 6.1 | Illustrate proper telephone and cell phone etiquette  |  |
| 6.2 | Utilize proper techniques in communicating via e-mail  |  |
| 6.3 | Write a formal business letter of request  |  |
| 6.4 | Write a formal thank you letter |  |

## Benchmark 7: Career Opportunities in Agriculture

### Competencies

| **#** | **Description** | **RATING** |
| --- | --- | --- |
| 7.1 | Explore unfamiliar jobs relating to your career pathway  |  |
| 7.2 | Research and report on the job outlook for career opportunities in your pathway  |  |
| 7.3 | Select, schedule and complete 1 job shadowing experience in your career pathway each semester  |  |

## Benchmark 8: Public Speaking/Group Presentations

### Competencies

| **#** | **Description** | **RATING** |
| --- | --- | --- |
| 8.1 | Research a 6-8 minute speech on an agricultural topic  |  |
| 8.2 | Write a final manuscript for a 6-8 minute speech over an agriculture topic using MLA style with title page and works cited  |  |
| 8.3 | Present a memorized 6-8 minute agriculture speech to the class  |  |
| 8.4 | Lead a class discussion over a topic |  |
| 8.5 | Lead a small group discussion  |  |
| 8.6 | Teach a technical concept to the class  |  |

## Benchmark 9: Technology in Agriculture

### Competencies

| **#** | **Description** | **Rating** |
| --- | --- | --- |
| 9.1 | Report on uses of global information systems (GIS) in agriculture  |  |
| 9.2 | Utilize a GPS receiver to find a location given coordinates  |  |
| 9.3 | Design a webpage for an agricultural business |  |
| 9.4 | Explore uses of Blogging, Podcasting and other social media technology in the agriculture industry  |  |
| 9.5 | Research online marketing opportunities and strategies for agricultural products |  |

## Benchmark 10: Government Regulations

### Competencies

| **#** | **Description** | **rating** |
| --- | --- | --- |
| 10.1 | Identify Common Safety Concerns/Issues relating to your pathway  |  |
| 10.2 | Explore government regulations and paperwork required for different agricultural business  |  |
| 10.3 | Complete a state and federal income tax return |  |

## Benchmark 11: Technical Agriculture

### Competencies

| **#** | **Description** | **Rating** |
| --- | --- | --- |
| 11.1 | Select 5 knowledge and skill statements from your pathway to learn more about during this course. |  |
| 11.2 | Develop a plan, define learning objective, and decide on an assessment method for the 5 outcomes selected above. |  |

## Benchmark 12: Advanced Agricultural Lab Activity

### Competencies

| **#** | **Description** | **Rating** |
| --- | --- | --- |
| 12.1 | Select and develop outcomes for an advanced agriculture laboratory activity for the first semester  |  |
| 12.2 | Select and develop outcomes for an advanced agriculture laboratory activity for the second semester  |  |

I certify that the student has received training in the areas indicated.

Instructor Signature:

For more information, contact:

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