

MINUTES

Name: AGR Advisory Committee

Date: October 3, 2019

Time: 9:00 – 11:00am.

Location: Shull Hall 105

Facilitators: Dr. Arly Drake
Avery Davison

Recorder: Kathleen Day

Attendees:

Luray Baker, Nat. Rscs.Consrv/USDA

Pam Bennett, OSU Extension Office

Todd Channell, Farmers' Equipment

William Cook, Nat Rscs.Consrv/USDA

Jim Corbet, Trupointe Co-operative

Christopher Henney, OABA

Cecelia Loka-Minnich, Integrated Ag

Robert Visdos, Workforce Institute

Janice Welsheimer OABA, Columbus

Clark State:

Aimee Belanger-Haas

Lesli Beavers

Avery Davison

Arly Drake

Melody Gast

Sue Haddix

Amanda Honeycutt

Crystal Jones

Students:

Taylor Bowman, Kohlson DeWitt, Audrey Ling

Welcome and Introductions

- Arly and Avery welcomed everyone, presented their backgrounds, and initiated introductions. This was their first advisory committee meeting.

C2A3 Update:

- Arly attended the C2A3 meeting held 9/29 – 10/1 in Norfolk, NE. This a collaborative with member in Indiana, Illinois, Wisconsin, Minnesota, Nebraska, South Dakota, and Iowa. Clark State has the easternmost program in the group.
- The members work together to improve their curricula, and work collectively on research projects.
- Rough weather across the Midwest has affected the entire area.

SARE Grant: Clark State is also part of the SARE grant. Arly is finalizing a research plan, and hopes to begin work with cover crops (legumes with corn), and break ground within 2 – 3 weeks. The program will monitor for heat pressure, and water quality; going through how soil erosion is measured, ensuring the methodology is correct. Arly provided slides to illustrate the campus area where the projects will take place.

NRCS Cooperative Agreement: Met with State Conservationists, Luray Baker and William Cook, who were very helpful. The conservationists provided info about governmental rules, what to look at and implement, and how to proceed in light of Clark State's more urban environment. This gives Clark State an understudied niche in which to work.

Action: Continue collaboration with others in the Ag field to utilize CSCC unique environment, and broaden programs.

AACC Cyber Security

- Lesli Beavers used a PowerPoint presentation to speak about the American Association of Community Colleges (AACC) Cyber Security apprenticeship program, which is made available by the Department of Labor through the "Expanding Community College Apprenticeship Experience" grant. Cyber Security student funding was awarded for three tracks:
- Cyber Security
- Cyber Security Manufacturing
- Cyber Security in Agriculture

A meeting was held with Jim Corbet and other experts, discussing what the AGR portion should look like, including discussions of subject matter with business input, and the structure of the job training piece.

- Nearly everything in the AGR production pipeline is vulnerable to hackers.
- Companies who agree to host apprentices would follow a "work process flow," delineating the competencies learned on the job.

- In the apprenticeship paperwork, employers commit to rewards for skills gained, and set out wage increases as apprentices go through the program. Once finished, the student will get a State of Ohio nationally recognized credential as a registered apprentice.

Benefits to employers:

- Apprenticeships are customized to employer within an agreed upon framework.
- Apprenticeships feed the employers workforce pipeline.
- At this point all apprenticeship framework is focused on the Cyber Security track, with four classes that produce four different frontloaded Cyber Security certifications in the first year. During the middle of the first year employer – employee matching occurs. Second year is on-the-job training (OJT) at the company chosen, which will help define the track the student takes for the rest of their program.
- Bob Visdos stated that in the Cyber Security track, the student would have to finish the Cyber Security classes before being able to do OJT in order to be hired by a cyber security company.
- Certifications are CompTIA A+, Exam #1 Core 1 (220-1002). Exam #2 Core 2 (220-1002). Comp TIA Networks Certification Exam # N10-007. CompTIA Security+ Certification Exam – Exam Objectives, Exam #SY0-501.
- 64 related instruction hours and 500 OJT hours. The OJT hours requirement will be 2000 for Cyber Security AGR. The framework will be customized to the employers’ needs.
- Classes prepare students to take the tests, but do not include the tests.
- Lesli asked for suggestions of added-value classes for all tracks. A class including discussion of food chain vulnerability was put forward.
- Job seeker with some Cyber Security background applying to an employer partner could be referred to Clark State to complete the program.
- State of Ohio TechCred funding program partially reimburses employers that partner with education to improve employees’ technology focused credentials over the next 2 years. Up to \$3,000 per employee or \$30,000 for employer. Apply by October 31. Precision AGR may be eligible. Information flyers were provided. Aimee suggested employers submit an application if there is even a possibility that they would participate.
- This employer/Clark State partnership would benefit both parties, as the employers refer their new hires to the Clark State programs, giving their new employees useful additional training.

Action: Continue to discover and nurture agricultural and educational relationships with local employers, using available certification and funding programs.

AG/Hort Program Update:

Before they left, the Everetts wrapped up a National Science Foundation grant, buying quite a lot of equipment:

- Case 115 tractor and accompanying implements.
- Tillage equipment: tiller and disc.
- Seeder, and 4-row planter with 30” rows. The AGR program has four different makes and models of planters.
- These machines will be used this fall to break ground for the cover crops on campus.
- Arly and Avery are in the process of clearing things out, and arranging their storage areas.
- The program now has four ATVs: two with spray technology including precision monitors, 2 more without.
- John Deere sprayer has section shut off capabilities. Kubota sprayer is more precise and has digital nozzle shut off. Arly and Avery are now working on this, and have these features partially installed.
- John Deere 2630, Case InCommand, and Kubota monitors are now in use.
- New trailers including the Precision Ag trailer, which holds two UTVs used for school visits.
- New dump trailer, which will be used for harvest as that becomes necessary.
- The students will be using the equipment as soon as they have been properly trained on the technology.

- Arly stated that she inherited a good program. Nothing has been changed in AGR/Hort so far. However, Arly is looking carefully at the program. She noted Avery has been very instrumental in assessing the classes, and suggesting where the program might go. The program will likely be slightly changed just by virtue of the different personalities, teaching styles of those now in charge, and input from students and industry partners.
- Next year's course schedules probably be changed somewhat, with 1st year classes on TTH, and 2nd year classes on MW. This will accommodate other Arly's obligations within the college.
- Also looked at is the return of Plant Biology to a Plant Introduction course, giving foundational knowledge first.
- All students with AGR import to take Precision AGR culture class. Tentative title: Technology in AGR and Horticulture. Useful applications for all students.
- Arly and Avery would like to interact with the STEM school in Springfield.
- Some summer classes may offered as hybrids.
- Aimee stressed that the committee would be in conversation with Arly & Avery about changes, which would then be discussed at the next Advisory Committee meeting in Spring 2020. She would also like a conversation discussing what alignment of common courses can be required for all AGR/Hort students in the first semester. Alignment with 4-year institutions should also be discussed.

Action: Continue implementation of new AGR equipment. Initiate discussions with Aimee concerning program updates.

Questions, Concerns & Suggestions:

- Clark County is working on becoming a Work Ready Community, and Clark State is a part of that effort.
- Where will the dealers find the technicians capable of installing, setting up, explaining, and working with the farmers and their Precision AG equipment?
- Drones soon to be obsolete, replaced by satellite technology. Need technicians to make technology work with new equipment.
- Arly is adamant that students should be in the field using the equipment as much as possible. She also would like all students to work with new Precision AGR technology.
- Install instruction could be part of Cyber-Security AGR.
- Who owns Cyber Security data? How secure is the data?
- John Deere & Case are two biggest dealers.
- Precision AGR technician option is available, but students not signing up. Aimee asked for feedback to know what farmers need in the fields. Recruitment will be intensified at area high schools.
- Stress potential of "making good wages very fast."
- Arly intends to visit the STEM school in town during the last part of the semester, and begin to build a relationship.
- Business degree with AGR or any other hands on degree is very valuable.
- A first year, first semester hybrid class without a hands on component, could be run exclusively online.
- Any strengths in the Clark State program that could cross-pollinate in the C2A3 program? C2A3 has shown interest, and this topic will be under discussion.
- Electrical instruction of some sort is needed for program.

Action: Continue building College/High School relationships. Increase recruitment efforts at High Schools. Explore and implement comments and suggestions.

Arly thanked all for coming, and for their input, and closed the meeting.
Next meeting will be held during the Spring 2020 semester.

