

COURSE & CURRICULUM COMMITTEE

MEETING MINUTES

DECEMBER 13, 2019

Present: J. Abbott, J. Brady, D. Coates, D. Coblentz, B. deDie, G. Fredericks, C. Gibson, K. Grubka, P. Henning, C. Jbara, R. Kraas, P. Linden, A. Nord, C. Pruis, M. Raines, B. Reynolds, K. Sparrow, H. Stevens, T. Sypris

Absent: C. Barrett, P. Eagan, S. Hubbell, J. Wagner

Guests: C. Gearig, B. Lindberg, M. Melville, P. Joswick

1. Call to Order – The meeting was called to order at 1:00 p.m.
2. Meeting Minutes of November 15, 2019 were approved as presented.
3. Review/Revise/Approve Agenda – The agenda was approved as presented.
4. Announcements/Updates – None presented
5. Business
 - 5.1 Course Inactivations
 - 5.1.1 BUS 215 Project Management 2-2-0 (Lecture/Discussion) and 2-0-0 (Online) (Effective 202110)
Background and justification information provided by Rick Kraas
This course has not been offered in several semesters. The department has determined BUS 218 would be a better program requirement.
 - 5.1.2 CIS 202: Visual Basic 3-2-3 (Lecture/Discussion - Standard Lab) and 3-0-0 (Online)(Blended) (Effective 202110)
Background and justification information provided by Chris Gearig
This course has not run for the past year due to low enrollment and CIS Advisory Committee approved adding Python language to our CIS courses and to remove Visual basic as Python is more used in industry and Visual Basic is no longer being used.
 - 5.1.3 CIS 212 Advanced Visual Basic 3-2-3 (Lecture/Discussion - Standard Lab) and 3-0-0 (Online)(Blended) (Effective 202110)
Background and justification information provided by Chris Gearig
This course has not run for the past year due to low enrollment and CIS Advisory Committee approved adding Python language to our CIS courses and to remove Visual Basic as Python is more used in industry and Visual Basic is no longer being used in industry.
 - 5.1.4 CIS 281: Python Programming I 3-2-3 (Lecture/Discussion - Standard Lab) and 3-0-0 (Online)(Blended) (Effective 202110)
Background and justification information provided by Chris Gearig
This course will be replaced by CIS 216 Python Programming as an active catalog class rather than a pilot course. This is an equivalent course for a new active catalog course.
 - 5.1.5 CIS 298: Mobile Application Development 3-2-3 (Lecture/Discussion - Standard Lab) and 3-0-0 (Online) and (Blended) (Effective 202110)
Background and justification information provided by Christine Gearig
CIS Advisory members voted to inactivate CIS 298: Mobile Application Development. 298 is taught using Android and Java. Google is moving away from Java to a language called Kotlin. We currently do not teach Kotlin along with the rapid technology changes it will make it very difficult to stay current if we continue to teach the 298 course. In addition, WMU's Computer Science department has it as a graduate level course. Removing this from the SD program will bring credits down to 63-65 total.
 - 5.1.6 NURS 190: Transition Seminar 1-0-0 (Self-Paced) will be replaced by NURS 195, LPN to RN Bridge 3-1-6 (Lecture/Discussion – Standard Lab) in NR2 program (Effective 202110)
Background and justification information provided by Patrick Joswick
With the continued increase of healthcare consumption catalyzed by the aging Baby Boomer generation, the healthcare system continues to combat the extreme shortage of Registered Nurses. Kalamazoo Valley's nursing program currently has a waitlist of 18 RN completion students which is

currently on hold. This program overhaul will alleviate some obstacles that the previous NURS 190 experienced with lower success rates in the achievement of end-of-program outcomes of the program National board rates (NCLEX-RN) also deviated statistically significant in comparison to the traditional RN, AAS students. This course will be part of the load of our newest tenure-track faculty.

Items 5.1.1 – 5.1.6

After discussion it was MOVED, SECONDED, and CARRIED to endorse the recommendations as presented.

5.2 Course Revisions

- 5.2.1 BREW 100 Introduction to Brewing – Strategy change to 2-1.25-1.5 (Lecture/Discussion/Standard Lab) remove alternate strategy 2-0-0 (Online) 2-0-0 (Blended) remains as alternate strategy (Effective 202110)

Background and justification information provided by Brian Lindberg and Aaron Ross

We have found that students coming into the program lack a foundation of basic operations. The best way to reinforce these basic skills involves the theory of how to brew, but also the physical act. Without the lab hours added to this class, students do not get the hands on experience that is needed. This allows us to cover a broader range of topics in the class and prepare the students for the more advanced level classes to come. The additional contact time will allow a more controlled lab environment and a higher level completion for students. As the program has reached its fourth year, we have started to reallocate objectives to be more consistent with the current state of the industry that we are training our students to be a part of. The updated descriptions and outcomes align better with the program and student needs.

- 5.2.2 BREW 130 Materials, Malting & Mashing – Change title to “Brewing Ingredients.” Change strategy from 3-3-0 (Lecture/Discussion) to 3-2.5-1 (Lecture/Discussion/Standard Lab) Remove alternate strategy 3-0-0 (Online) 3-0-0 (Blended) remains as alternate strategy (Effective 202110)

Background and justification information provided by Brian Lindberg and Aaron Ross

Course title better represents the class content. When discussing course content, it is critical to evaluate brewing ingredients using standardized lab methods and sensory analysis. The brewing laboratory is a more appropriate location for students to complete these evaluations.

Understanding how these ingredients impact a beer's flavor, aroma, appearance, and other organoleptic aspects is important for a student to completely understand the recipe formulation process and successfully move through the program. As the program has reached its fourth year, we have started to reallocate objectives to be more consistent with the current state of the industry that we are training out students to be a part of. The updated descriptions and outcomes align better with the program and student needs.

- 5.2.3 BREW 140 Recipe, Process & Technology – Change title to “Brewhouse Operations & Tech” (Effective 202110)

Background and justification information provided by Brian Lindberg and Aaron Ross

Course title better represents the class content. As the program has reached its fourth year, we have started to reallocate objectives to be more consistent with the current state of the industry that we are training out students to be a part of. The updated descriptions and outcomes align better with the program and student needs.

- 5.2.4 BREW 170 Fermenting & Finishing Tech – Change title to “Cellar Operations & Technology.” Change strategy from 3-3-0 (Lecture/Discussion) to 4-3-2 (Lecture/Discussion/Standard Lab) and 4-0-0 (Blended) (Effective 202110)

Background and justification information provided by Brian Lindberg and Aaron Ross

Similar to how BREW 140 has been utilizing a third day of class per week for lab time, students will benefit greatly from this class following that format also. By giving an extra credit for lab time, this will allow the class to be brought into the brewery where students can utilize a hands-on approach to better understand and practice what we are teaching in class. This will offer the students more structure to the class along with a higher degree of reinforcement of the general principles discussed. As the program has reached its fourth year, we have started to reallocate

objectives to be more consistent with the current state of the industry that we are training out students to be a part of. The updated descriptions and outcomes align better with the program and student needs.

- 5.2.5 BREW 225 Brewing Practicum - change strategy from 2-0-4 (Standard Lab) to 3-1-4 (Lecture/Discussion/Standard Lab) (Effective 202110)
Background and justification information provided by Brian Lindberg and Aaron Ross
Adding a credit of lecture to the class will allow the students to better prepare their recipes and brewing processes which will make the class run smoother. This class is intended to be the capstone class of the program where students who competencies in brewery operations and management. This extra time will help the students better manage the lab which will provide a safer, more productive learning environment. As the program has reached its fourth year, we have started to reallocate objectives to be more consistent with the current state of the industry that we are training out students to be a part of. The updated descriptions and outcomes align better with the program and student needs.
- 5.2.6 BREW 230: Packing & Distribution - Change title to "Packaging & Post-Production)- change strategy from 3-3-0 (Lecture/Discussion) to 3-2.5-1 (Lecture/Discussion/Standard Lab) - remove alternate strategy 3-0-0 (Online) and 3-0-0 (Blended) remains as alternate strategy (Effective 202110)
Background and justification information provided by Brian Lindberg and Aaron Ross
Like other operations in a functioning brewery, packaging is a very important part of the brewing process. Bottling, kegging, and inventory management are all important practices for a student to master. The strategy change allows students to take the theories that they learned in class and put them to action to better reinforce what is being taught. As the program has reached its fourth year, we have started to reallocate objectives to be more consistent with the current state of the industry that we are training out students to be a part of. The updated descriptions and outcomes align better with the program and student needs.
- 5.2.7 BREW 250 Brewing Quality Control - Change title to "Brewery Mgmt/Quality Assurance" - change strategy from 2-2-0 (Lecture/Discussion) to 3-3-0 (Lecture/Discussion) and 3-0-0 (Online) and (Blended)
Background and justification information provided by Brian Lindberg and Aaron Ross
Brewery management and quality assurance are the foundations of operating a successful brewery. By extending the lecture time, students will be provided with more contact time to cover diverse subjects in the field such as statistical analysis in production, quality ingredient management, quality lab functions, and overall management of operations. As the program has reached its fourth year, we have started to reallocate objectives to be more consistent with the current state of the industry that we are training out students to be a part of. The updated descriptions and outcomes align better with the program and student needs.
- 5.2.8 BREW 275 Brewing Internship - Change title to "Brewing Field Internship" - change strategy from 3-0-0 (Internship) to 3-1-0 (Lecture/Discussion/Field Work) (Effective 202110)
Background and justification information provided by Brian Lindberg and Aaron Ross
With the new structure listed above, this course would serve as a capstone for the program. Ideally managed by the Sustainable Brewing instructors, this course would concentrate on community outreach and integrated and hands-on coursework. As the program has reached its fourth year, we have started to reallocate objectives to be more consistent with the current state of the industry that we are training out students to be a part of. The updated descriptions and outcomes align better with the program and student needs.

Items 5.2.1 - 5.2.8

After discussion it was MOVED, SECONDED, and CARRIED to endorse the recommendations as presented.

5.3 New Courses

- 5.3.1 ACC 104 Basics for Entrepreneurs 3-3-0 (Lecture/Discussion) and 3-0-0 (Online) and (Blended) (Effective 202110)
Background and justification information provided by Marion Melville
Our Business Advisory Committee has requested an Entrepreneurial Program to be made available to students at KVCC. Accounting 104, Basics for Entrepreneurs represents the first step in fulfilling that request. This course would eventually be combined with additional business courses to support a Certificate of Achievement program designed to provide the tools needed to start a small business. No degree necessary was questioned. Coates, Melville, and Walman agreed to work on instructor competencies.
- 5.3.2 CIS 216 Python Programming 3-2-3 (Lecture/Discussion/Standard Lab) and 3-0-0 (Online) and (Blended) (Effective 202110)
Background and justification information provided by Christine Gearig
CIS Advisory Committee approved adding Python language to our CIS courses and to remove Visual Basic as Python is more used in industry and Visual Basic is no longer being used.
- 5.3.3 CIS 218 Web Application Programming 3-2-3 (Lecture/Discussion/Standard Lab) and 3-0-0 (Online) and (Blended) Effective (202110)
Background and justification information provided by Christine Gearig
CIS Advisory Committee approved adding the Web Application Programming and Advanced Web Application Programming courses to our Software Developer program. There is a great need in the industry for developers to be able to work with the Server side applications and make sure the web applications works properly and are secured. The trend in the industry is more companies are utilizing the Web based applications and the demand in the job market will support KVCC adding these course to give students those skills needed to receive a job in that area.
- 5.3.4 CIS 226: Advanced Python Programming 3-2-3 (Lecture/Discussion/Standard Lab) and 3-0-0 (Online) and (Blended) (Effective 202110)
Background and justification information provided by Christine Gearig
CIS Advisory Committee approved adding Python language to our CIS courses and to remove Visual Basic and Advanced Visual Basic. The Adv Python will replace the Adv Visual Basic elective.
- 5.3.5 CIS 228: Advanced Web App Programming 3-2-3 (Lecture/Discussion/Standard Lab) and 3-0-0 (Online) and (Blended) (Effective 202110)
Background and justification information provided by Christine Gearig
CIS Advisory Committee approved adding the Web Application Programming and Advanced Web Application Programming courses to our Software Developer program. There is a great need in the industry for developers to be able to work with the Server side applications and make sure the web applications works properly and are secured. The trend in the industry is more companies are utilizing the Web based applications and the demand in the job market will support KVCC adding these course to give students those skills needed to receive a job in that area.
- 5.3.6 NURS 195: LPN to RN Bridge 3-1-6 (Lecture/Discussion/Standard Lab) (Effective 202110)
Background and justification information provided by Patrick Joswick
With the continued increase of healthcare consumption catalyzed by the aging Baby Boomer generation, the healthcare system continues to combat the extreme shortage of Registered Nurses. Kalamazoo Valley's nursing program currently has a waitlist of 18 RN completion students which is currently on hold. This program overhaul will alleviate some obstacles that the previous NURS 190 experienced with lower success rates in the achievement of end-of-program outcomes of the program National board rates (NCLEX-RN) also deviated statistically significant in comparison to the traditional RN, AAS students. This course will be part of the load of our newest tenure-track faculty.

Items 5.3.1 – 5.3.6

After discussion it was MOVED, SECONDED, and CARRIED to endorse the recommendations as presented.

5.4 Program Inactivations – None presented

5.5 Program Revisions

- 5.5.1 BA.AAS - Business Administration AAS (Effective 202110)
Background and justification information provided by Rick Kraas and Marion Melville
Remove BUS 215, Project Management from allowed elective options. Add ACC 104, Basics for Entrepreneurs to allowed elective options. BUS 215 has not been run in many semesters and BUS 218 is a more robust option for business students. ACC 104 is a new course designed to help entrepreneurs gain a basic understanding of accounting principles needed to begin a small business. Both the inactivation of BUS 215 and the creation of ACC 104 are under the guidance of the advisory committee.
- 5.5.2 DSC: Database Specialist COA (Effective 202110)
Background and justification information provided by Christine Gearig
Remove CIS 202: Visual Basic from the elective choices. Remove CIS 212: Advanced Visual Basic from the elective choices. Add CIS 216: Python Programming and CIS 226: Advanced Python Programming to elective choices (must take them together to fulfill elective requirement). Add CIS 218: Web Application Programming and CIS 228: Advanced Web App Programming to elective choices (must take them together to fulfill elective requirement) CIS Advisory Committee approved adding Python language and Web Application Programming to our CIS courses and to remove Visual Basic as it is no longer being used. This change will not increase or decrease the number of credits needed, just give students an additional option.
- 5.5.3 ITS: IT Support Tech AAS (Effective 202110)
Background and justification information provided by Christine Gearig
Remove CIS 170: Web Page Coding w/Dreamweaver. Remove CIS 202: Visual Basic from the elective choices. Add CIS 216: Python Programming to elective choices. No change in overall credit total because all are elective options in list of all 3 credit classes. CIS Advisory Committee recommended adding Python language to our CIS courses and to remove Visual Basic as Python is more used in industry and Visual Basic is no longer being used.
- 5.5.4 NR2: Nursing RN Completion AAS (Effective 202110)
Background and justification information provided by Patrick Joswick
Remove NURS 190, Transition Seminar (- 1 credit). Add NURS 195, LPN to RN Bridge (+ 3 credits). Overall credit total increases from 45.5 to 47.5 minimum credits required (reminder: this total does not include articulation of NURS 100, 102, 104, 105, 165, 166, and 167 credits with evidence of LPN degree completion on official transcript). With the continued increase of healthcare consumption catalyzed by the aging Baby Boomer generation, the healthcare system continues to combat the extreme shortage of Registered Nurses. Kalamazoo Valley's nursing program currently has a waitlist of 18 RN completion students which is currently on hold. This program overhaul will alleviate some obstacles that the previous NURS 190 experienced with lower success rates in the achievement of end-of-program outcomes of the program National board rates (NCLEX-RN) also deviated statistically significant in comparison to the traditional RN, AAS students. This course will be part of the load of our newest tenure-track faculty.
- 5.5.5 SB.AAS: Sustainable Brewing AAS (Effective 202110)
Background and justification information provided by Brian Lindberg and Aaron Ross
Change titles to: BREW 130, BREW 140, BREW 170, BREW 230, BREW 250, and BREW 275. Change credits to: BREW 170, BREW 225, and BREW 250 (+ 3 credits). Remove Program Electives requirement (- 3 credits). Overall credits remains at 64 credits minimum. We propose a series of changes to the Sustainable Brewing Program. Going on the fourth year of the program existing, it has become evident that changes need to be made as far as reallocating course outcomes, updating course descriptions, revisiting strategies for each class, and to better title each course - this is all in an effort to make the program more clear, concise, and applicable in the industry.
- 5.5.6 SB.CERT: Sustainable Brewing Cert (Effective 202110)
Background and justification information provided by Brian Lindberg and Aaron Ross
Change titles to: BREW 130, BREW 140, BREW 170, BREW 230, BREW 250, and BREW 275. Change credits to: BREW 170, BREW 225, and BREW 250 (+ 3 credits). Overall credits increases from 31 to 34 minimum required. We propose a series of changes to the Sustainable Brewing Program. Going on the fourth year of the program existing, it has become evident that changes need to be made as far as reallocating course outcomes, updating course descriptions, revisiting strategies for each class, and to

better title each course - this is all in an effort to make the program more clear, concise, and applicable in the industry.

5.5.7 SD: Software Developer AAS (Effective 202110)

Background and justification information provided by Christine Gearig

Remove CIS 202: Visual Basic from the elective choices. Remove CIS 212: Advanced Visual Basic from the elective choices. Remove CIS 298: Mobile Application Development from program requirements (-3 credits). Add CIS 216: Python Programming and CIS 226: Advanced Python Programming to the "or" list in the elective choices (students must complete both). Add CIS 218: Web Application Programming and CIS 228: Advanced Web App Programming to the "or" list in the elective choices (students must complete both). Overall credits required is reduced from 66 to 63 minimum.

CIS Advisory Committee approved adding Python language to our CIS courses and to remove Visual Basic as Python is more used in industry and Visual Basic is no longer being used. CIS Advisory Committee approved removing CIS 298; Mobile Apps is currently being taught using Android and Java. Google is moving away from Java to a language called Kotlin that still runs on the Java Virtual Machine. We currently do not teach Kotlin, so if we made the switch, we could not cover as much material. In addition, at WMU this course is a graduate level course in the CS department. Removing it will bring total credits to 63-65, still within the graduation requirement.

5.5.8 SL: Supervisory Leadership (Effective 202110).

Background and justification information provided by Christine Gearig

Remove BUS 215, Project Management from required courses (-2 credits). Add BUS 218, Creating/Managing Projects to required courses (+3 credits). Overall credits required increases from 33 to 34 total. BUS 215 has not been offered in a number of semesters and BUS 218 is a more robust course with greater content. The advisory committee recommends this change.

Items 5.5.1 – 5.5.8

After discussion it was MOVED, SECONDED, and CARRIED, with one abstention (D. Coates) to endorse the recommendations as presented.

5.6 New Programs – None presented

6. Other – None presented

7. Informational Pieces – None presented

8. Upcoming Meetings – January 10, 2020 at 1:00 p.m. in Room 4380

- February 14, 2020 at 1:00 p.m. in Room 4380
- March 13, 2020 at 1:00 p.m. in Room 4380
- April 10, 2020 at 1:00 p.m. in Room 4380
- May 8, 2020 at 1:00 p.m. in Room 4380

9. Adjourn – The meeting adjourned at 2:18 p.m.