

**CRAFTON HILLS COLLEGE
CURRICULUM COMMITTEE
MINUTES
November 13, 2017**

VOTING MEMBERS:
Note: ✓If Present

Brandi Bailes✓
Troy Dial✓
Kenneth George✓
Laurie Green✓
Catherine Hendrickson✓

Rick Hogrefe✓
Shohreh Rahbarnia✓
Kim Salt (Chair)✓
Michael Sheahan
Sherri Wilson✓

NON-VOTING MEMBERS:
Note: ✓If Present

Kathy Bakhit✓
Robert Brown✓
Kirsten Colvey
Joe Cabrales
Kristin Garcia
Kristina Heilgeist✓

Miriam Saadeh
Mark Snowwhite✓
Michelle Tinoco
Dan Word

VISITOR:

1. Approval of minutes from October 23, 2017 meeting

The minutes were approved by consensus.

2. Action Items

PROGRAM MODIFICATIONS

A. CSCI 110 Introduction to Computer Science I

The course is being updated to indicate C++ language is being used.

The committee approved CSCI 110 with a prerequisite of MATH 102 or MATH 160 or eligibility for MATH 250 as determined through the Crafton Hills College assessment process. The distance education component (hybrid and 100% online) was also approved.

- **NEW COURSE TITLE:** Introduction to Computer Science I (C++)
- **NEW CATALOG DESCRIPTION:** Introduction to computer science, including programming, theory, and applications. Introduction to computer software design, implementation, methods, environment, and problem solving using the C++ language. Topics include data types, variables, expressions, input/output, control structures, functions, arrays, strings, and introduction to object-oriented programming.
- **NEW SCHEDULE DESCRIPTION:** Introduction to computer science, including programming, theory, and applications. Introduction to computer software design,

implementation, methods, environment, and problem solving using the C++ language.

B. CSCI 120 Introduction to Computer Science II

The course is being updated to indicate C++ language is being used.

The committee approved CSCI 120 with a prerequisite of CSCI 110.

- **NEW COURSE TITLE:** Introduction to Computer Science II (C++)
- **NEW CATALOG DESCRIPTION:** Object-oriented software development using the C++ language. Emphasizes software engineering principles and development for substantial programs. Topics include abstract data types, overloading, inheritance, polymorphism, recursion, pointers, and fundamental data structures.
- **NEW SCHEDULE DESCRIPTION:** Object-oriented software development using the C++ language. Emphasizes software engineering principles and development for substantial programs. Topics include abstract data types, overloading, inheritance, polymorphism, recursion, pointers, and fundamental data structures.

C. CSCI 230 Introduction to Data Structures and Algorithms

The course is being updated to indicate Java language is being used.

The committee approved CSCI 230 with a prerequisite of CSCI 120. The distance education component (hybrid and 100% online) was also approved.

- **NEW COURSE TITLE:** Data Structures and Algorithms (Java)
- **NEW CATALOG DESCRIPTION:** Focuses on implementation and mathematical analysis of foundational data structures and algorithms with the Java programming language. Topics include arrays, lists, stacks, queues, trees, hashing, heaps, analysis of algorithms, storage allocation, and memory management techniques.
- **NEW SCHEDULE DESCRIPTION:** Implementation and mathematical analysis of foundational data structures and algorithms with the Java programming language. Topics include arrays, lists, stacks, queues, trees, hashing, heaps, analysis of algorithms, storage allocation, and memory management techniques.

D. MARKET 106 Retail Management

The committee approved MARKET 106 with a distance education component (Hybrid and 100%).

E. MATH 102 College Algebra

The last time MATH 102 was updated, a substantial amount of material was added to the course content to meet CID requirements for college algebra social sciences and college algebra STEM. Although the department tried teaching the additional material in the hours allowed for a four unit course; not all of the information was getting covered. By increasing the course to five units, the additional hours will allow

time to cover the extra material. The course will continue to equate with MATH 102 at SBVC.

The committee approved MATH 102 with a prerequisite of MATH 095 or eligibility for MATH 102 as determined through the Crafton Hills College assessment process.

- **NEW SEMESTER UNITS:** 5
- **NEW MINIMUM SEMESTER HOURS:**
LECTURE: 80
- **NEW CATALOG DESCRIPTION:** Study of logarithms, sequences, series, the Binomial Theorem, graphing conic sections, inverse functions, operations with radicals, systems of quadratic equations, and solving systems of three or more linear equations in three or more variables by matrices, and determinants; introduction to graphing rational functions, and the theory of equations. MATH 102 and MATH 160, maximum UC credit one course.

F. MATH 110 Introduction to Probability and Statistics

The committee approved MATH 110 with a distance education component (hybrid and 100% online). The prerequisite and departmental recommendation were also approved:

- **NEW PREREQUISITE:** MATH 085 or MATH 095 or eligibility for MATH 110 as determined through the Crafton Hills College assessment process
- **NEW DEPARTMENTAL RECOMMENDATION:** Concurrent enrollment in MATH 117
- **SCHEDULE DESCRIPTION:** Add a (;) after regression

G. MATH 995L Intermediate Algebra Laboratory

With the new math placement policies and accelerated courses, students taking MATH 095 will no longer have an opportunity to take prerequisite courses. Substantial data shows corequisite courses to be more successful.

The committee approved MATH 995L with a corequisite of MATH 095.

- **NEW COURSE TITLE:** Intermediate Algebra Support
- **NEW SEMESTER UNITS:** 3
- **NEW MINIMUM SEMESTER HOURS:**
LECTURE: 32
LAB: 48
- **NEW CATALOG DESCRIPTION:** A review of the core prerequisite skills, competencies, and concepts needed for intermediate algebra. Review topics include: computational skills developed in pre-algebra, the vocabulary of algebra, translations from English to algebraic expressions, evaluations of literal expressions and functions. Topics covered in more depth include solving and graphing linear equations and inequalities on one and two variables, solving and graphing systems of equations in two variables, factoring, algebraic operations on polynomial and rational expressions. Recommended for students with little or

no recent knowledge of algebra. Graded on a Pass/No Pass basis only. Not degree applicable.

- **NEW SCHEDULE DESCRIPTION:** A review of the core prerequisite skills, competencies, and concepts needed for intermediate algebra. Review topics include: computational skills developed in pre-algebra, the vocabulary of algebra, translations from English to algebraic expressions, evaluations of literal expressions and functions. Topics covered in more depth include solving and graphing linear equations and inequalities on one and two variables, solving and graphing systems of equations in two variables, factoring, algebraic operations on polynomial and rational expressions. Recommended for students with little or no recent knowledge of algebra. Graded on a Pass/No Pass basis only. Not degree applicable.

H. RELIG 100 Introduction to Religious Studies

The committee approved RELIG 100 with a distance education component (hybrid and 100% online). The following prerequisite was also approved:

- **NEW PREREQUISITE:** ENGL 010 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process

I. RUS 101 College Russian I

The committee approved RUS 101 as a six-year revision.

J. RUS 102 College Russian II

The committee approved RUS 102 with a prerequisite of RUS 101 as a six-year revision.

K. POLIT 100 American Politics

The committee approved POLIT 100 with a distance education component (100% online).

L. SOC 130 Marriage, Family and Intimate Relationships

The committee approved the update of SOC 130 and the distance education component (100% online).

- **NEW DEPARTMENTAL RECOMMENDATION:** Successful completion of SOC 100 or SOC 100H. Eligibility for ENGL 101
- **NEW SCHEDULE DESCRIPTION:** A sociological survey of the institution of marriage and the family.

M. SOC 141 Minority Relations

The committee approved SOC 141 pending approval from department to add or eliminate "Eligibility for MATH 085" as a departmental recommendation since MATH 090 will no longer be offered at Crafton.

- **NEW COURSE TITLE:** Race, Ethnicity and Diversity
- **NEW DEPARTMENTAL RECOMMENDATION:** Successful completion of SOC 100 or SOC 100H. Eligibility for ENGL 101
- **NEW CATALOG DESCRIPTION:** Sociological study of race, ethnicity and diversity in American society. Examination of various social conditions that affect the ever changing culture of American society.
- **NEW SCHEDULE DESCRIPTION:** Sociological study of race, ethnicity and diversity in American society.

N. SPAN 019 Spanish for Medical Personnel I

The committee approved SPAN 019 as a six-year revision.

O. SPAN 020 Spanish for Medical Personnel II

The committee approved SPAN 020 with a prerequisite of SPAN 019 as a six-year revision.

NEW COURSES

P. MATH 902L College Algebra Support

Research has shown the basic skills path to transfer level courses has a very low through put rate, below 5% of students starting in basic skills classes. Placing students into higher level courses with corequisite support courses has shown to have a significantly higher through put rate of over 40%. This course is designed to give the background and support that enable students to complete their college level transfer class in one semester with the appropriate review.

The committee approved MATH 902L as a new course. The prerequisite and corequisite were also approved.

- **DISCIPLINE:** Mathematics
- **DEPARTMENT:** Mathematics
- **COURSE TITLE:** College Algebra Support
- **COURSE ID:** MATH 902L
- **PREREQUISITE:** MATH 095 or eligibility for MATH 902L as determined through the Crafton Hills College assessment process
- **COREQUISITE:** MATH 102
- **DEPARTMENTAL RECOMMENDATION:** None
- **SEMESTER UNITS:** 2
- **MINIMUM SEMESTER HOURS:**
LECTURE: 32
- **CATALOG DESCRIPTION:** A review of the core prerequisite skills, competencies, and concepts needed in college algebra. Topics include: a review of computational skills developed in intermediate algebra, factoring, operations on rational and radical expressions, absolute value equations and inequalities, functions including composition and inverses, and an in-depth focus on quadratic functions. This course is appropriate for students who are confident

in their graphing and beginning algebra skills. Graded on a Pass or No Pass basis only. Non-degree applicable.

- **SCHEDULE DESCRIPTION:** Support course for college algebra. A review of the core prerequisite skills, competencies, and concepts needed for college algebra. This course is appropriate for students who are confident in their graphing and beginning algebra skills. Graded on a Pass or No Pass basis only. Non-degree applicable.

Q. PHIL 110 Introduction to Logic

This course is associate degree applicable, satisfies the associate degree general education requirement for critical thinking, and is a requirement for the AA in Philosophy and the AA-T. This courses transfers to CSU.

The committee approved PHIL 110 as a new course. The distance education component was also approved (hybrid and 100% online).

- **DISCIPLINE:** Philosophy
- **DEPARTMENT:** Social Science
- **COURSE TITLE:** Introduction to Logic
- **COURSE ID:** PHIL 110
- **PREREQUISITE:** None
- **COREQUISITE:** None
- **DEPARTMENTAL RECOMMENDATION:** None
- **SEMESTER UNITS:** 4
- **MINIMUM SEMESTER HOURS:**
LECTURE: 64
- **CATALOG DESCRIPTION:** This is an introduction to informal and formal logic with special emphasis on deductive logic and principles of valid reasoning.
- **SCHEDULE DESCRIPTION:** This is an introduction to informal and formal logic with special emphasis on deductive logic and principles of valid reasoning.

R. SOC 141H Race, Ethnicity and Diversity – Honors

The committee approved SOC 141H as a new course pending the addition of the honors information to the schedule description. The prerequisite was also approved.

- **DISCIPLINE:** Sociology
- **DEPARTMENT:** Social Science
- **COURSE TITLE:** Race, Ethnicity and Diversity – Honors
- **COURSE ID:** SOC 141H
- **PREREQUISITE:** Acceptance into the College Honors Institute
- **COREQUISITE:** None
- **DEPARTMENTAL RECOMMENDATION:** None
- **SEMESTER UNITS:** 3
- **MINIMUM SEMESTER HOURS:**
LECTURE: 48
- **CATALOG DESCRIPTION:** Sociological study of race, ethnicity and diversity in American society. Examination of various social conditions that affect the ever

changing culture of American society. This course includes content and experiences appropriate for student wishing to earn honors credit.

- **SCHEDULE DESCRIPTION:** Sociological study of race, ethnicity and diversity in American society. This course includes content and experiences appropriate for student wishing to earn honors credit.

COURSE DELETIONS

S. CIS 114 C++ Programming I

CIS 114 is being replaced by CSCI 110

The committee approved the deletion of CIS 114.

T. CIS 116 C++ Programming II

CIS 116 is being replaced by CSCI 120.

The committee approved the deletion of CIS 116.

PROGRAM MODIFICATIONS

U. Emergency Medical Technician – I Certificate of Achievement

EMS 025 is being added to the certificate.

The committee approved the revisions to the Emergency Medical Technician – I certificate. Laurie will check with the department regarding if proof of a clear criminal background check is required for the certificate.

EMERGENCY MEDICAL TECHNICIAN – I Certificate of Achievement

The objective of this certificate is to train students to perform basic life support in the pre-hospital setting. Successful completion of the certificate program identifies the student has met the educational requirements as an Emergency Medical Technician. This is a state certificate program.

Admission: Open to all students who meet the age and physical requirements. Registration is limited to class size restrictions.

REQUIRED COURSES:

		UNITS
EMS 020	Emergency Medical Technician-I/EMT-Basic	6.00
EMS 021	Preventing Disease Transmission for the Emergency Medical Technician	0.50
EMS 022	Basic Life Support for Emergency Medical Technician-I/EMT-Basic	0.50
EMS 023	Hazardous Materials First Responder Awareness for Emergency Medical Technician-I/EMT-Basic	0.50

EMS 025	Customer Service and Professionalism for the Emergency Services Worker	0.50
TOTAL UNITS		8.00

V. Programming Certificate
Certificate of Achievement

CIS 114 and CIS 116 are being deleted from the certificate. The course titles for CSCI 110 and CSCI 120 were revised. MATH 102 changed to five units.

Kim will check the other programs within the department to determine if changes need to be made.

The committee approved the revisions to the Programming certificate.

PROGRAMMING CERTIFICATE
Certificate of Achievement

The objective of this certificate is to provide students with the knowledge and skills necessary for employment in entry-level positions in the field of computer programming or to continue to pursue a four-year degree in Computer Information Systems or Computer Science. The Programming Certificate indicates the student has acquired knowledge of computer programming including basic language structures, syntax, debugging, and application development.

REQUIRED COURSES:		UNITS
CSCI 110	Introduction to Computer Science I (C++)	3.00
CSCI 120	Introduction to Computer Science II (C++)	3.00

Students must complete at least nine additional units from the following:		UNITS
CIS 095	Employability Skills for Technical Careers	2.00
CIS 104	Object Oriented Programming with Visual Basic	3.00
CIS 105	Database Concepts and Design	3.00
CIS 111	Web Page Programming and Design	3.00
CIS 113	Java Programming	3.00
CIS 117	Scripting	3.00
CIS 121	Android Application Development	3.00
CIS125	Introduction to C#.NET Programming	3.00
CIS190D	Software Development Internship	1.00–3.00
		3.00
MATH 102	College Algebra	5.00
TOTAL UNITS		15.00

4. Operational Issues

- The distance education addendum for Honors was approved by Academic Senate. The committee will request a handout with guidelines for Distance Education Honors
- The Academic Senate approved the revision to the course outline of record. There was some confusion regarding activity/lab hours. It was suggested to offer

a 10-15 minute presentation with handouts during the Spring 2018 In Service to answer questions regarding the new requirements.

The next Curriculum meeting will be held on **November 27th at 2 p.m. in CCR 233.**