

**MINUTES
Programs in Arts & Sciences Committee
Monday, December 6, 2004
3:00, Montana Room**

Present: Randy Horst, John Hajduk, Andrea Easter-Pilcher, Eric Funasaki, Cathi Love

Absent: Gary Lundy, David Moore, Karl Ulrich

Minutes of the 11/15/04 meeting were approved.

New Curriculum Proposals #25-34, 36-36, 61, 64

In David Moore's absence, Cathi presented information on new curriculum proposals presented for PASC review.

CP# 25 Reduce credits for ART 101 from 4 to 2 (Gen Ed class)

Goes with CP#34 that deletes FA 101 (4) and adds ART 101 (2) & DR 101 (2) as requirements to EI Ed

GEN ED REVIEWED 11/30/04, wants revised course description. Randy says course description is already very generic, so he will submit the current course description.

CP#25 Approved

CP#26 Revise Program Reuirements for BS: Secondary Ed Art K-12 Major, Art K-12 Broadfield, and Art K-12 Minor

Revised Catalog Description

ART K-12 Major

General Education	32
Foundations Core	
ART 105 Introduction to Art & Design	4
ART 141 Drawing	4
ART 211 Art History I	4
ART 212 Art History II	4
ART 231 Ceramics [3-D]	4
In consultation with advisor, select two 2-D courses, two 3-D courses, one elective, and four Advanced Studio credits from the following:	24
ART 221 3-D Design/Crafts [3-D] (4)	
ART 225 Computer Art [2-D] (4)	
ART 232 Ceramics [3-D] (4)	
ART 267 Approaches in Contemporary Art (4)	
ART 270 Photography [2-D] (4)	
ART 311 Topics in Art History (4)	
ART 343 Printmaking [2-D](4)	
ART 347 Glassblowing [3-D] (4)	
ART 361 Painting & Nature [2-D] (4)	
ART 367 Painting & Mixed Media [2-D] (4)	
ART 371 Sculpture [3-D] (4)	
ART 380 Artist Blacksmithing [3-D] (4)	
ART 381 Art Media Workshop (4)	
ART 422 Jewelry [3-D] (4)	
ART 423 Jewelry [3-D] (4)	
ART 447 Fiber Arts [3-D] (4)	
ART 478-489 Advanced Studio (1-4)	
Education Core	26
Electives	14
ED 474 Student Teaching K-12	12

Total Credits.....128

ART BROADFIELD K-12 MAJOR

General Education	32
Foundations Core	
ART 105 Introduction to Art & Design	4
ART 141 Drawing	4
ART 211 Art History I	4
ART 212 Art History II	4
ART 231 Ceramics [3-D]	4
In consultation with advisor, select two 2-D courses, two 3-D courses, up to three electives, and up to 12 Advanced Studio credits from the following:	36
ART 221 3-D Design/Crafts [3-D] (4) ART 225 Computer Art [2-D] (4) ART 232 Ceramics [3-D] (4) ART 267 Approaches in Contemporary Art (4) ART 270 Photography [2-D] (4) ART 311 Topics in Art History (4) ART 343 Printmaking [2-D](4) ART 347 Glassblowing [3-D] (4) ART 361 Painting & Nature [2-D] (4) ART 367 Painting & Mixed Media [2-D] (4) ART 371 Sculpture [3-D] (4) ART 380 Artist Blacksmithing [3-D] (4) ART 381 Art Media Workshop (4) ART 422 Jewelry [3-D] (4) ART 423 Jewelry [3-D] (4) ART 447 Fiber Arts [3-D] (4) ART 478-489 Advanced Studio (1-4)	
Education Core	26
Electives	2
ED 474 Student Teaching K-12	12

Total Credits.....128**ART K-12 MINOR**

Foundations Core	
ART 105 Introduction to Art & Design	4
ART 141 Drawing	4
ART 211 Art History I	4
ART 212 Art History II	4
ART 231 Ceramics [3-D]	4
ART 351 Methods & Materials of Art	4
In consultation with advisor, select one 2-D course, one 3-D course, and one elective from the following:	12
ART 221 3-D Design/Crafts [3-D] (4) ART 225 Computer Art [2-D] (4) ART 267 Approaches in Contemporary Art (4) ART 343 Printmaking [2-D](4) ART 361 Painting & Nature [2-D] (4) ART 367 Painting & Mixed Media [2-D] (4) ART 371 Sculpture [3-D] (4) ART 422 Jewelry [3-D] (4) ART 447 Fiber Arts [3-D] (4)	

Total Credits.....36**CP#26 Approved**

ART:**CP#27** Revise Course Titles and Course Descriptions of 3 Art courses: PASC approved 12/6/04, To CC Jan 2005**FROM:** ART 141 Basic Drawing (4)**TO:** ART 141 Drawing (4)**FROM:** ART 361 Watercolor (4)**TO:** ART 361 Painting & Nature [2-D] (4)**FROM:** ART 367 Painting**TO:** ART 367 Painting & Mixed Media [2-D] (4)*CP#27 Approved***CP#28** Revise Course Titles by adding 2-D or 3-D to Studio Art Classes: PASC approved 12/6/04, To CC Jan 2005

ART 221 3-D Design/Crafts [3-D] (4)

ART 225 Computer Art [2-D] (4)

ART 231 Ceramics [3-D] (3 or 4?)

ART 232 Ceramics [3-D] (4)

ART 241 Calligraphy [2-D] (4)

ART 242 Figure Drawing [2-D] (4)

ART 254 Three-Dimensional Design [3-D] (3)

ART 270 Photography [2-D] (4)

ART 341 Calligraphy II [2-D] (4)

ART 343 Printmaking [2-D] (4)

ART 347 Glassblowing [3-D] (4)

ART 361 Painting & Nature [2-D] (4)

ART 367 Painting & Mixed Media [2-D] (4)

ART 371 Sculpture [3-D] (4)

ART 372 Sculpture [3-D] (4)

ART 380 Artist Blacksmithing [3-D] (4)

ART 422 Jewelry [3-D] (4)

ART 423 Jewelry [3-D] (4)

ART 447 Fiber Arts [3-D] (4)

*CP#28 Approved***CP#29** Add 2 new courses:

ART 267 Approaches in Contemporary Art (4)

ART 477 Advanced Studio-Illustration (V 1-4)

*CP#29 Approved***CP#30** Revise Program Requirements-BA: Visual Arts Option**Revised Catalog Description****BA: Visual Arts Option**

General Education	32
Foundations Core	
ART 105 Introduction to Art & Design	4
ART 141 Drawing	4
ART 211 Art History I	4
ART 212 Art History II	4
Take 1 of these 2:	
ART 221 3-D Design/Crafts [3-D] (4)	4
ART 231 Ceramics [3-D] (4)	
In consultation with advisor, select two 2-D courses, two 3-D courses, one elective, and four Advanced Studio credits from the following:	24
ART 225 Computer Art [2-D] (4)	
ART 231 Ceramics [3-D] (4)	
ART 232 Ceramics [3-D] (4)	
ART 267 Approaches in Contemporary Art (4)	

ART 270 Photography [2-D] (4)	
ART 311 Topics in Art History (4)	
ART 343 Printmaking [2-D] (4)	
ART 347 Glassblowing [3-D] (4)	
ART 361 Painting & Nature [2-D] (4)	
ART 367 Painting & Mixed Media [2-D] (4)	
ART 371 Sculpture [3-D] (4)	
ART 380 Artist Blacksmithing [3-D] (4)	
ART 381 Art Media Workshop (4)	
ART 422 Jewelry [3-D] (4)	
ART 423 Jewelry [3-D] (4)	
ART 447 Fiber Arts [3-D] (4)	
ART 478-489 Advanced Studio (1-4)	
Internship/Thesis	4-12
Related Area	20-32
Electives	4-20

Total Credits.....128

CP#30 Approved

CP#31 Add 2 new BA Related Areas: Illustration Related Area, and Pre-Art Therapy Related Area

Illustration Related Area

ART 225 Computer Art [2-D]	4
ART 488 Advanced Studio-Computer Art	4
ART 477 Advanced Studio-Illustration	8
BUS 201 Entrepreneurship	3

Total Credits.....19

Pre-Art Therapy Related Area.....20 credits

PSY 201 Introduction to Cognition	4
PSY 375 Developmental Psychology: Adolescence	4
PSY 437 Psychology of Personality	4
PSY 438 Abnormal Psychology	4
PSY 440 Group Dynamics	4

Total Credits.....20

CP#31 Approved

CP#32 Delete 1 course from Catalog: PASC approved 12/6/04, To CC Jan 2005

ART 431 Senior Seminar in Art (4)

CP#32 Approved

CP#33 Gen Ed Comm needs transferability of course to other Montana institutions; Randy to provide

CP#33 Revise Course Number and Course Description: Randy to check on transferability of course out

FROM: ART 143 2-D Design/Color Theory (4)

TO: ART 105 Introduction to Art & Design (4)

CP#33 Approved

ELEMENTARY EDUCATION:

CP#34 Revise Requirements for BS: Elementary Education (goes with CP25)

Delete as requirement: FA 101 Visual & Performing Arts (4)

Add as requirement: ART 101 Fundamentals of Art (2) and DR 101 Fundamentals of Drama (2)

CP#34 Approved

CP#35 Revise Program Requirements, BS: Education-Literacy Minor

Add 2 electives to Literacy Minor:

COMS 240 Robotics (1)

COMS 334 Advanced Multimedia (2)

Note Course Number change in degree requirements that is currently listed incorrectly:

FROM: ED 435 Curriculum for Diverse Learners (2) [SHOWS AS ED 479 in 04-05 Block Catalog electives]

TO: ED 279 Curriculum for Diverse Learners (2)

CP#35 Approved

ENVS:

LEVEL I

CP#36 Revise Preprofessional Health Sciences Option TO Biological & Biomedical Sciences Option

Revised Catalog Description:

Biological & Biomedical Sciences Option

BIO 111 Biology I	4
BIO 112 Biology II	4
BIO 255 Cell Biology	4
BIO 343 Genetics	4
BIO 450 Evolution	4
CHEM 131 General Chemistry I	4
CHEM 132 General Chemistry II	4
CHEM 331 Organic Chemistry	4
MATH 201 Calculus I	4
MATH 232 Statistics	4
PHYS 233 General Physics I	4

Total Credits.....44

CP#36 Approved

CP#37 BA: Biological & Biomedical Sciences Option (CP 36 changes this from Preprofessional Health Sci Option)

Add 4 new Related Areas; retain existing Health & Human Performance Related Area from under old Preprofessional Health Sciences Option; Delete Applied Health Sciences Related Area from Catalog

4 New Related Areas:

- Cell/Molecular Biology
- Pre-Professional Health Sciences
- Mathematical Biology
- Veterinary Science

For Catalog:

New Cell/Molecular Biology Related Area

BIO 262 Microbiology	4
CHEM 332 Organic Chemistry	4
CHEM 425 Molecular Biology	
CHEM 441 Biochemistry	
Take 3 from these courses:	12
BIO 371 Human Anat/Physiology (4) or BIO 372 Human Anat/Physiology (4)	
BIO 471 Wildlife Ecology & Mgt (4)	
BIO 477 Ecology (4)	
CHEM 251 Quantitative Analysis (4)	
CHEM 355 Physical Chemistry (4)	
PHYS 234 General Physics I (4) or PHYS 235 General Physics II (4)	

Total Credits.....28

New Pre-Professional Health Sciences Related Area

BIO 371 Human Anat/Physiology I	4
BIO 372 Human Anat/Physiology II (4)	4
CHEM 332 Organic Chemistry II	4

Take 1 from these 2:	4
PHYS 234 General Physics I (4)	
PHYS 235 General Physics II (4)	
Take 3 from these 7:	12
BIO 262 Microbiology (4)	
BIO 425 Molecular Biology (4)	
CHEM 441 Biochemistry (4)	
HHP 315 Anatomical/Mechan Kines (4)	
HHP 364 Nutrition (4)	
<i>PSY 238 Intro to Abnormal Psych (4)</i>	
<i>SOC 452 Social Psychology (4)</i>	

Total Credits.....28

Michael Morrow to check on whether PSY 238 and SOC 452 are to be included in this Related Area.

Secretary's note: Remove both courses from proposed Pre-Professional Health Sciences Related Area, per: Michael Morrow 12/7/04

New Mathematical Biology Related Area

MATH 107 Morphometrics	4
MATH 260 Linear Algebra	4
MATH 401 Deterministic Modeling	4
MATH 433 Stochastic Modeling	4
Take 3 from these 5:	12
BIO 150 Conservation Biology (4)	
BIO 425 Molecular Biology (4)	
BIO 429 Environ Field Studies (4)	
BIO 471 Wildlife Ecology & Mgt (4)	
BIO 477 Ecology (4)	

Total Credits.....28

New Veterinary Science Related Area

CHEM 332 Organic Chemistry II	4
CHEM 441 Biochemistry	4
EQST 201 Basic Equine Care & Nutrition	4
EQST 202 Equine Science I	4
EQST 203 Equine Science II	4
Take 3 from these 6:	12
BIO 262 Microbiology (4)	
BIO 425 Molecular Biology (4)	
BIO 471 Molecular Biology (4)	
EQST 101 Intro to Equine Studies (4)	
EQST 354 Herd Behavior (4)	
EQST 401 Adv Horse Care & Nutrition (4)	

Total Credits.....32

Health & Human Performance Related Area (No Change)

BIO 371 Human Anat/Physiol I	4
BIO 372 Human Anat/Physiol II	4
HHP 102 Fitness for Life	4
HHP 311 Athletic Training I	4
HHP 315 Anatom/Mechanical Kinesiology	4
HHP 317 Physiol/Psychomotor Kinesiology	4
HHP 410 Athletic Training	3
HHP 472 Adult Fitness Principles	3

Total Credits.....30

CP#37 Approved pending Michael Morrow ascertaining whether PSY 238 and SOC 452 are to be included in the Pre-Professional Health Sciences Related Area. They are to be removed, per: M. Morrow 12/7/04.

CP#38 Add 3 New Courses: (goes w/CP39)

- BIO 111 Biology I (4)
- BIO 112 Biology II (4)

CP#38 Approved

CP#39 Delete 2 courses from Catalog: (goes w/CP38)

- BIO 151 Zoology (4)
- BIO 152 Botany (4)

CP#39 Approved

CP#40 Add 1 New Course: (goes w/CP42)

- BIO 255 Cell Biology (4)

CP#40 Approved

CP#41 Revise Course Des, Prereq, and Course Title for BIO 343:

- FROM: BIO 343 Genetics & Evolution (4)
- TO: BIO 343 Genetics (4)

CP#41 Approved

CP#42 Delete 1 course from Catalog: (goes w/CP 40, 45)

- BIO 341 Cell & Molecular Biology (4)

CP#42 Approved

CP#43 Replace BIO 341 Cell & Molecular Biology (4) (course deleted in CP42) with BIO 255 Cell Biology (4) for these BA Related Areas: (goes w/CP 40, 42, 45) Biology

- Environmental Geochemistry
- Wildlife Biology

CP#43 Approved

ENVS/EDUCATION:

CP#44 Revise BS: Secondary Ed, Biology Major and General Science Broadfield Major with Biology course revisions made in CP 40, 42, & 45

Revised Catalog Description:

BS: Secondary Education

Biology Major

GENERAL EDUCATION

Take 1 from these 2:	4
BIO 111 Biology I (4)	
BIO 112 Biology II (4)	

BIOLOGY MAJOR

BIO 251 Systematic Botany	4
BIO 262 Microbiology	4
BIO 255 Cell Biology	4
BIO 343 Genetics	4
BIO 371 Human Anatomy & Physiology	4
BIO 372 Human Anatomy & Physiology	4
BIO 450 Evolution	4
BIO 477 Ecology	4
CHEM 131 General Chemistry	4
CHEM 132 General Chemistry	4
ENVS/PHIL 201 Hist/Philosophy of Science	4
Take 1 not taken as Gen Ed choice:	4
BIO 111 Biology I (4)	
BIO 112 biology II (4)	

Major Credits.....48

GENERAL SCIENCE BROADFIELD MAJOR**GENERAL EDUCATION**

BIO 111 Biology I	4
MATH 201 Calculus I	4
Take 1 from these 2:	4
GEOL 101 Intro to Geology (4)	
GEOL 150 Environmental Geology (4)	

GENERAL SCIENCE BROADFIELD MAJOR

BIO 251 Systematic Botany	4
BIO 255 Cell Biology	4
BIO 343 Genetics	4
BIO 450 Evolution	4
CHEM 131 General Chemistry	4
CHEM 132 General Chemistry	4
CHEM 331 Organic Chemistry	4
CHEM 332 Organic Chemistry	4
ENVS/PHIL 201 Hist/Phil of Science	4
GEOL 226 Rocks/Minerals/Resources	4
GEOL 432 Depositional Environments	4
PHYS 233 General Physics	4
PHYS 234 General Physics II	4
PHYS 235 General Physics III	4
PHYS 240 Astronomy	4

Major Credits.....60

CP#44 Approved

ENVS:

CP#45 Add 2 New Courses: (goes w/CP42)

BIO 425 Molecular Biology (4)

BIO 450 Evolution (4)

CP#45 Approved

CP#46 Add 1 New Course: (goes w/CP36, Changing Preprof Hlth Sci RA to Biological & Biomedical Sciences RA)

CHEM 441 Biochemistry (4)

CP#46 Approved

CP#61 Revise course number:

FROM: PSY 440 Group Dynamics (4)

TO: PSY 454 Group Dynamics (4)

CP#61 Approved

ENVS/SECONDARY EDUCATION:

CP#64 Add to BS: Secondary Ed—New Major: Earth Science Major

New Catalog Description:

BS: Secondary Education

Earth Science Major

GENERAL EDUCATION.....32

CHEM 131 General Chemistry	4
Take 1 from these 2:	4
GEOL 101 Introduction to Geology (4)	
GEOL 150 Environmental Geology (4)	

EARTH SCIENCE MAJOR

CHEM 132 General Chemistry	4
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ED 355 Meth/Mat of Experiential Science Ed	(4)
ENVS/PHIL 201 Hist/Phil of Science	4
ENVS 348 Soil Science	4
GEOL 226 Rocks, Minerals, & Resources	4
GEOL 230 Geology of the American West	4
GEOL 330 Structure & Tectonics	4
GEOL 378 Surficial Processes	4
GEOL 409 Geology Seminar	4
GEOL 432 Depositional Environments	4
MATH 232 Statistics	4
PHYS 239 Physical Meteorology	4
PHYS 240 Astronomy	4

Major Credits.....48
Education Core Credits.....26
Elective Credits.....8
Student Teaching/ED 499 (capstone course).....14
Total Credits Required for Degree.....128

CP#64 Approved

This proposal still needs Education Department approval before Curriculum Committee review.

Cathi stated that the timeline required for campus and BOR approvals will not allow enough time to get this new BS: Secondary Education Earth Science Major into the 2005-06 Catalog. If approved, it would appear in the 2006-07 Catalog.

Next meeting: January 2005, date to be determined