To: All Faculty and Staff

From: Office of Instruction

Date: October 5, 2010

Subject: COLLEGE CATALOG 2010-2011 ADDENDUM #1

The attached, College Catalog 2010-2011, Addendum #1, contains new and revised courses and certificates that have been curriculum and board approved. Please note the additions and changes in your catalog and/or attach the addendum for efficient and accurate reference. These changes will become effective during the Spring 2011 semester.

Please feel free to stop by the Instruction Office or call Ext. 5453 if you have any questions.

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Attachment
DESCRIPTION OF COURSES SECTION

DESCRIPTION OF COURSES (Pages 80-213)

COURSE ADDITIONS:

READING

RDG 082 BASIC READING
3.25 units Course length: 54 hours lecture, 18 hours laboratory
Prerequisite: Placement test
Reading 082, Basic Reading, is a first-level reading course in a sequence of reading courses. It focuses on vocabulary development and comprehension strategies. The course grade is pass or no pass and can be repeated once.

COURSE REVISIONS:

COMPUTER INFORMATION SCIENCE

CIS 130 INTRODUCTION TO 3D COMPUTER ANIMATION
3 units Course length: 36 hours lecture, 54 hours laboratory
Prerequisite: Students should have computer experience before enrolling in this course. PVHS Computers I, PVHS Computers II, CIS 101, CIS 102, or an equivalent course would qualify as a prerequisite for this course.
3D Computer Animation is an ever growing industry. Computer animation today is used in computer games, computer generated films, software, and virtual reality. In this course, various computer animation and graphic design techniques and topics will be introduced and discussed. The main topics that will be covered are object modeling, 2D and 3D animation, the World/Object Coordinate System, Spline Objects, Material Management, Object Management, Hyper-nurb Objects, Null and Symmetry Objects, and Lighting.

CIS 131 ANIMATION PRINCIPLES AND PRODUCTION I
3 units Course length: 36 hours lecture, 54 hours laboratory
Prerequisite: CIS 130
Corequisite: Concurrent enrollment in CIS 130 (Introduction to 3D Computer Animation).
Computer Animation is an ever growing industry. This course will cover topics including object shading using Maxon Sketch and Toon, Pyro-clusters, Net Rendering, and Rigid and Soft Body Dynamics. Students will design projects utilizing the skills introduced in the course. Students will also implement many of the skills learned in the Introduction to 3D Computer Animation course.

CIS 132 ANIMATION PRINCIPLES AND PRODUCTION II
3 units Course length: 36 hours lecture, 54 hours laboratory
Prerequisite: CIS 130, CIS 131 (Animation Principles and Production I)
In this course students will learn about the Animation Industry. The history of Animation, the animation industry today, and current trends will be addressed. This course will introduce computer animation techniques such as motion capturing, procedural methods, motion blending and kinematics using Maxon Mocca, object painting using Maxon Body Paint 3D, and object manipulation using Maxon Thinking Particles and Key-framing.
CIS 133 ADVANCED 3D COMPUTER ANIMATION

3 units
Course length: 36 hours lecture, 54 hours laboratory

Prerequisite: CIS 130, CIS 131, CIS 132

Corequisite: Concurrent enrollment in CIS 132 (Animation Principles and Production I)

Advanced 3D Computer Animation will tie together all of the skills and concepts introduced in the 3 prerequisite courses. This project based course will utilize object animation, lighting, key-framing, texturing, nurbs, splines, and rendering. Each student will create a project that will demonstrate mastery of the 4 sequential animation courses.

PHYSICAL EDUCATION

PHE 100 FITNESS CENTER®
1-3 units
Course length: 54-162 hours laboratory

This class is designed for beginning and advanced students to participate in aerobic and anaerobic activities in the fitness center. One on one instruction is available for beginning students while advanced students have the option of working out on their own. This course is repeatable up to 3 times for credit.

UPDATED COURSES:

WEL 100 Oxyacetylene Gas Welding
WEL 101 Shielded Metal Arc Welding
WEL 102 Basic Gas Metal Arc Welding (MIG)
WEL 103 Basic Gas Tungsten Arc Welding (TIG)
WEL 200 Advanced Shielding & Gas Metal Arc Welding (MIG)
WEL 201 Advanced Tungsten Arc Welding (TIG)
WEL 202 Advanced Oxyacetylene Welding
WEL 203 Consolidated Welding

COURSES/PROGRAMS TO BE MOVED TO INACTIVE STATUS:

GEO 120 Introduction to Cartography
GEO 130 Introduction to Geographic Information Systems (GIS)
GEO 230 Intermediate Geographic Information Systems (GIS)
GEO 231 Advanced Geographic Information Systems (GIS)
Certificate of Career Preparation: Geographic Information Systems
## REVISED PROGRAMS:

### PALO VERDE COLLEGE STUDENT EDUCATION PLAN

#### ASSOCIATE IN SCIENCE DEGREE (A.S.)

### HAZARDOUS MATERIALS SPECIALIST

#### Course Number | Units
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**CORE COURSES**
FST 150 | Haz-Mat First Responder Operations 1
FST 152 | Basic Chemistry, Module 1A, Haz-Mat Technician 2
FST 153 | Applied Chemistry 2
FST 154 | Incident Considerations, Module 1C, Haz-Mat Technician 2
FST 155 | Tactical Field Operations 2
FST 157 | Specialized Mitigation Techniques, Module 1F, Haz-Mat Specialist 2
FST 158 | Advanced Field Operations, Module 1G, Haz-mat Specialist 2
FST 162 | 300 Intermediate Incident Command System (ICS) 1.25
FST 183 | Terrorism: Weapons of Mass Destruction 1
FST/CWE | [ELECTIVE: 100-Level or Above] [Including Work Experience] 3
FST/CWE | [ELECTIVE: 100-Level or Above] [Including Work Experience] 3
FST/CWE | [ELECTIVE: 100-Level or Above] [Including Work Experience] 3
FST/CWE | [ELECTIVE: 100-Level or Above] [including Work Experience] 3

#### GENERAL EDUCATION COURSES

**COMMUNICATIONS**
ENG 101 Reading and Composition 3
SPE 101 Introduction to Speech 3

**NATURAL SCIENCES**
Astronomy, Biology, Chemistry, Geology, Geography, Physics 3

**MATHEMATICS**
MAT 086/88 Intermediate Algebra 3

**HUMANITIES**
Art, Education, English, French, History, Music, Philosophy, Spanish, Theatre 3

**SOCIAL SCIENCES – AREA A**
History, Political Science 3

**SOCIAL SCIENCES – AREA B**
Anthropology, Economics, Geography, Psychology, Sociology 3

**LIFE LONG UNDERSTANDING & SELF DEVELOPMENT**
Alcohol/Drug Studies, Child Development, Geography, Health, Physical Education, Psychology, Sociology 3

**INSTITUTIONAL REQUIREMENTS**
HEA 140 Health Education 3
GES 101 [OR] Introduction to College Life [OR] The Master Student 1 - 3
GES 115 [OR] The Master Student [OR] 3

Total required 60 - 62

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NAME ______________________ ADDRESS ____________________________

PHONE ___________________ DATE OF BIRTH ___________________ STUDENT ID# ______________________

DATE ___________________ COUNSELING NOTES:

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Requirements completed (DATE) ___________________ COUNSELOR SIGNATURE ___________________
This certificate will satisfy the California State requirement for operations at hazardous materials incidents where Personal Protective Equipment (PPE) Levels A, B & C protection is required. It will satisfy CFR 29.1910.120 Federal requirements.

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<th>Course Titles</th>
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<td>Applied Chemistry</td>
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<td>FST</td>
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<td>Advanced Field Operations, Module 1G, HAZ-MAT Specialist</td>
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<td>300 Intermediate Incident Command System (ICS)</td>
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