

A. NAME OF AGENDA ITEM

Consideration and approval of new or revised courses and programs.

B. STATEMENT OF ISSUE/PURPOSE

1. Background and Purpose:

Sections 55002, 55130, and 55150 of Title 5 requires the local district governing board approve degree-applicable credit courses, nondegree-applicable credit courses, noncredit courses, community services offerings, and credit and noncredit programs.

The following curriculum changes are proposed for the San Diego Community College District for City College, Mesa College, Miramar College, or Continuing Education:

Computer and Information Science

Adoption of three new courses at Continuing Education. **(Attachment A)**

Physical Therapist Assistant

Adoption of 10 new courses at Mesa College. **(Attachment B)**

Physical Therapist Assistant

Adoption of six course deactivations at Mesa College. **(Attachment C)**

Communication Studies

Adoption of a program revision at Miramar College. **(Attachment D)**

Computer and Information Science

Adoption of a new program at Continuing Education. **(Attachment E)**

Manufacturing Engineering Technology

Adoption of a program revision at City College. **(Attachment F)**

Physical Therapist Assistant

Adoption of a program revision at Mesa College. **(Attachment G)**

2. Cost and Funding:

There is no additional cost to the District.

C. PROPOSAL

The Board of Trustees hereby grants authority to take the action outlined in Part A.

Stephanie Bulger, Ph.D.
Vice Chancellor
Instructional Services

ACTION

Adoption of three new courses at Continuing Education.

Proposed new courses at Continuing Education:

645 Mobile App HTML Development

Advisory: Microcomputer Basics or equivalent. This course introduces students to the modern web technologies that are used to develop cross-platform mobile web applications. Students will be introduced to mobile application development, open source mobile application frameworks, and the process for determining the appropriate open source solution. Students will learn about the construction of multiple content screens, transitions, user input, and geolocation services. Students will also be introduced to common markup, styling, and programming languages. (FT)

646 Mobile Software Dev Platform

Advisory: Mobile App HTML Development. This course introduces students to setting up a development environment where cross-platform mobile applications can be created. Students will learn about the Software Development Kits (SDKs) of various mobile operating systems, including Android, iOS, and Windows Mobile. Students will install and configure SDKs, and develop an application that can be tested on emulators or real devices. Students will be introduced to free and open source software and the selection process for determining the appropriate solution. (FT)

647 Mobile App Publication

Advisory: Mobile Software Dev Platform. This course introduces students to features of cross-platform mobile application development and the publishing process. Students will learn about JavaScript Object Notation (JSON) and NoSQL-style databases. Students will be introduced to various third-party application stores, learn how to create developer accounts, publish applications, and market applications to a global audience. (FT)

Physical Therapist Assistant

ACTION

Adoption of 10 new courses at Mesa College.

Proposed new courses at Mesa College:

215 Documentation Skills

**16 - 18 hours lecture, 1 unit
Grade Only**

Advisory: English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.

Limitation on Enrollment: Special Admission - must be admitted to program.

This course provides an introduction to basic abbreviations, medical terminology for physical therapy, and review of patients' medical and treatment documentation. Students will learn the formats used in both paper and electronic medical record documentation. Emphasis will be placed on accurate and timely documentation that is consistent with institutional, legal, and billing requirements. (FT) Associate Degree Credit & transfer to CSU.

220 Growth, Development, and Aging

**48 - 54 hours lecture, 3 units
Grade Only**

Advisory: English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.

Limitation on Enrollment: Special Admission - must be admitted to program.

This course will introduce physical therapist assistant (PTA) students to concepts and physical therapy principles applied to the development process from conception through aging. Topics will include normal and abnormal growth and development from conception, through adolescence, and adulthood. Emphasis will be placed on the developmental sequence, testing, and treatment principles in pediatrics, as well as aging changes that affect function in geriatric rehabilitation. Appropriate nutrition and wellness concepts across the lifespan will be considered. (FT) Associate Degree Credit & transfer to CSU.

Physical Therapist Assistant

225 Acute Care Techniques

32 - 36 hours lecture, 2 units

Grade Only

Corequisite: Physical Therapist Assistant 225L.
Advisory: English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.

Limitation on Enrollment: Special Admission - must be admitted to program.

This lecture course provides the future Physical Therapist Assistant (PTA) with an exposure to the duties that relate to the PTA scope of practice with an emphasis on the acute and post-acute care settings. These duties include the principles of patient care management, safety within the facility, vital signs, patient positioning, basics of transfer and gait training with assistive devices for general orthopedic problems, wheelchair safety, basic wound care management to include universal precautions and infection control, and appropriate selection and progression of interventions based on physical therapist's plan of care. The course also fosters the development of communication skills, interpersonal relationships, and professionalism required for the health care field. (FT) Associate Degree Credit & transfer to CSU.

225L Acute Care Techniques Lab

96 - 108 hours lab, 2 units

Grade Only

Corequisite: Physical Therapist Assistant 225.

Limitation on Enrollment: Special Admission - must be admitted to program.

This laboratory course provides the future Physical Therapist Assistant (PTA) with an exposure to the duties related to the PTA scope of practice with an emphasis on the acute and post-acute care settings. These duties include the principles of patient care management, safety within the facility, vital signs, patient positioning, basics of transfer and gait training with assistive devices for general orthopedic problems, wheelchair safety, basic wound care management to include universal precautions and infection control, and appropriate selection and progression of interventions based on physical therapist's plan of care. The course also fosters the development of communication skills, interpersonal relationships, and professionalism required for the health care field. (FT) Associate Degree Credit & transfer to CSU.

Physical Therapist Assistant

260 Topics in Neurology and Rehabilitation
32 - 36 hours lecture, 2 units
Grade Only

Prerequisite: Physical Therapist Assistant 225 and Physical Therapist Assistant 225L, each with a grade of "C" or better, or equivalent.

Corequisite: Physical Therapist Assistant 260L.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 138 or Physical Therapist Assistant 78.

This course provides physical therapist assistant (PTA) students with the principles of functional activities and rehabilitation procedures relating to the management of clients with neurological diagnoses. Topics include rehabilitation of cerebral vascular accidents, traumatic brain injuries, spinal cord injuries, other neurological conditions, cardiopulmonary conditions, amputations, lymphedema, and pediatric conditions. The focus is on the safe, legal, ethical and appropriate use of rehabilitation procedures including physiological and therapeutic effects of treatment. The course also fosters the development of communication skills, interpersonal relationships, and professionalism required for the health care field. (FT) Associate Degree Credit & transfer to CSU.

260L Topics in Neurology and Rehabilitation
Lab
96 - 108 hours lab, 2 units
Grade Only

Prerequisite: Physical Therapist Assistant 225 and Physical Therapist Assistant 225L, each with a grade of "C" or better, or equivalent.

Corequisite: Physical Therapist Assistant 260.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 138L or Physical Therapist Assistant 78L.

This course for physical therapist assistant (PTA) students deals with the clinical application of functional activities and rehabilitation procedures relating to the management of clients with neurological diagnoses. Topics include rehabilitation of cerebral vascular accidents, traumatic brain injuries, spinal cord injuries, other neurological conditions, cardiopulmonary conditions, amputations, lymphedema, and pediatric conditions. The focus is on the safe, legal, ethical and appropriate use of rehabilitation procedures including physiological and therapeutic effects of treatment. The course also fosters the development of communication skills, interpersonal relationships, and professionalism required for the health care field. (FT) Associate Degree Credit & transfer to CSU.

Physical Therapist Assistant

263 Patient Management

**48 - 54 hours lab, 1 unit
Grade Only**

Advisory: Physical Therapist Assistant 240, Physical Therapist Assistant 250, and Physical Therapist Assistant 250, each with a grade of "C" or better, or equivalent.

Limitation on Enrollment: Special Admission - must be admitted to program.

This laboratory course provides physical therapist assistant (PTA) students with an opportunity to apply knowledge and skills from previous courses to actual patient scenarios. Students will review patient evaluations including plans of care and design appropriate beginning, intermediate, and advanced treatment plans. Emphasis will be placed on developing critical thinking and communication skills needed in a patient care environment. (FT) Associate Degree Credit & transfer to CSU.

264 Therapeutic Modalities

**24 - 27 hours lecture, 1.5 units
Grade Only**

Advisory: English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.

Limitation on Enrollment: Special Admission - must be admitted to program.

This lecture course introduces the student Physical Therapist Assistant to the fundamental principles, physiological effects, and application techniques in the use of biophysical agents. Biophysical agents include soft tissue mobilization, thermotherapy, cryotherapy, compression therapy, hydrotherapy, ultrasound, electrotherapy, biofeedback, light therapy, and manual/mechanical traction procedures. Emphasis will be placed on indications, contraindications, and safe application of the above techniques, as well as assessment of technique effectiveness. The course also fosters development of patient communication and appropriate documentation of modality treatments. (FT) Associate Degree Credit & transfer to CSU.

Physical Therapist Assistant

264L Therapeutic Modalities Lab

**72 - 81 hours lab, 1.5 units
Grade Only**

Advisory: English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5.

Limitation on Enrollment: Special Admission - must be admitted to program.

This lab course introduces the student Physical Therapist Assistant to the fundamental principles, physiological effects, and application techniques in the use of biophysical agents. Biophysical agents include soft tissue mobilization, thermotherapy, cryotherapy, compression therapy, hydrotherapy, ultrasound, electrotherapy, biofeedback, light therapy, and manual/mechanical traction procedures. Emphasis will be placed on indications, contraindications, and safe application of the above techniques, as well as assessment of technique effectiveness within the laboratory setting. The course also fosters development of patient communication and appropriate documentation of modality treatments. (FT) Associate Degree Credit & transfer to CSU.

275 Orthopedic Exercise and Rehabilitation

**48 - 54 hours lecture, 3 units
Grade Only**

Prerequisite: Physical Therapist Assistant 250 with a grade of "C" or better, or equivalent.

Corequisite: Completion of or concurrent enrollment in Physical Therapist Assistant 275L with a grade of "C" or better, or equivalent.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 137 or Physical Therapist Assistant 77.

This lecture course provides the physical therapist assistant student with a kinesiology based approach to the clinical applications used in the treatment and rehabilitation of the patient/client with orthopedic and related diagnoses. The focus is on safe, legal, ethical, and appropriate use of manual and therapeutic exercise interventions and screening assessment procedures within the physical therapist assistant scope of practice. The course fosters the development of critical thinking skills needed in the consideration of indications, precautions, contraindications, along with physiological and therapeutic effects of various techniques as applied to various orthopedic and related diagnoses. (FT) Associate Degree Credit & transfer to CSU.

Physical Therapist Assistant

ACTION

Adoption of six course deactivations at Mesa College.

Proposed course deactivations at Mesa College:

66 Physical Therapy Techniques II
32 - 36 hours lecture, 2 units
Grade Only

Prerequisite: Physical Therapist Assistant 56 and Physical Therapist Assistant 56L, each with a grade of "C" or better, or equivalent.

Corequisite: Physical Therapist Assistant 66L.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 126.

This lecture course is for physical therapist assistant (PTA) students and is a continuation of Physical Therapy Techniques I with an emphasis on advanced skills and rehabilitation in acute care. It explores the duties related to the PTA scope of practice, including the application of mechanical traction, electrotherapy and electromagnetic physical agents as well as vasopneumatic compression, chest physical therapy, wound care, transfer and transportation of patients, gait techniques for specific diagnoses, and the identification of architectural barriers and basic wheelchair management. Students continue to use medical terms, charting skills, and role play to foster patient and family teaching as well as a deepening of self-awareness of communication skills and professionalism. (FT) Associate Degree Credit only and not Transferable.

66L Physical Therapy Techniques II-Lab
96 - 108 hours lab, 2 units
Grade Only

Prerequisite: Physical Therapist Assistant 56 and Physical Therapist Assistant 56L, each with a grade of "C" or better, or equivalent.

Corequisite: Physical Therapist Assistant 62 and Physical Therapist Assistant 66.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 126L.

This laboratory course is for physical therapist assistant (PTA) students and is a continuation of Physical Therapy Techniques I with an emphasis on advanced skills and rehabilitation in acute care. It explores the duties related to the PTA scope of practice including the application of mechanical traction, electrotherapy and electromagnetic physical agents as well as vasopneumatic compression, chest physical therapy, wound care, transfer and transportation of patients, gait techniques for specific diagnoses, and the identification of architectural barriers and basic wheelchair management. Students continue to use medical terms, charting skills and role play to foster their development as PTAs. (FT) Associate Degree Credit only and not Transferable.

Physical Therapist Assistant

77 Orthopedic Exercise and Rehabilitation **32 - 36 hours lecture, 2 units** **Grade Only**

Prerequisite: Physical Therapist Assistant 63 with a grade of "C" or better, or equivalent.

Corequisite: Physical Therapist Assistant 77L.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 137.

This course provides the physical therapist assistant student with a kinesiological based approach to the clinical applications used in the treatment and rehabilitation of the client with orthopedic and related diagnoses. The focus is on safe, legal, ethical and appropriate use of therapeutic exercise and screening assessment procedures, including physiological and therapeutic effects and indications and contraindications. (FT) Associate Degree Credit only and not Transferable.

78 Topics in Neurology and Rehabilitation **24 - 27 hours lecture, 1.5 units** **Grade Only**

Prerequisite: Physical Therapist Assistant 66 and Physical Therapist Assistant 66L, each with a grade of "C" or better, or equivalent.

Corequisite: Physical Therapist Assistant 78L.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 138.

This course provides physical therapist assistant (PTA) students with the principles of the functional activities and rehabilitation procedures relating to the management of clients with neurological diagnoses. Topics include normal growth and development and the rehabilitation of cardiopulmonary conditions. The focus is on the safe, legal, ethical and appropriate use of rehabilitation procedures, including physiological and therapeutic effects of treatment. (FT) Associate Degree Credit only and not Transferable.

78L Topics in Neurology and Rehabilitation- Lab **48 - 54 hours lab, 1 unit** **Grade Only**

Prerequisite: Physical Therapist Assistant 66 and Physical Therapist Assistant 66L, each with a grade of "C" or better, or equivalent.

Corequisite: Physical Therapist Assistant 78.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 138L.

This course for physical therapist assistant (PTA) students deals with the clinical application of the functional activities and rehabilitation procedures relating to the management of therapy clients with neurological diagnoses. Other topics include normal growth and development and the rehabilitation of cardiopulmonary conditions. The focus is on the safe, legal, ethical and appropriate use of rehabilitation procedures, including physiological and therapeutic effects. The course also focuses on the development of communication skills, interpersonal relationships and professionalism required for the health care field. It requires a high level of critical thinking related to implementing and modifying physical therapy interventions. (FT) Associate Degree Credit only and not Transferable.

Physical Therapist Assistant

80 Directed Clinical Practice

375 - hours other, 5 units

Grade Only

Prerequisite: Physical Therapist Assistant 70 with a grade of "C" or better, or equivalent.

Limitation on Enrollment: Health and Safety. This course is only open to students enrolled in the Physical Therapist Assistant Program. This course is not open to students with previous credit for Physical Therapist Assistant 143A.

This course provides the fourth semester Physical Therapist Assistant (PTA) student a supervised application of previously learned techniques and skills in the rehabilitation of patients in two selected clinical facilities affiliated with the college. The focus is on job-ready application in the safe, legal, ethical and effective use of physical therapy interventions. This course requires an advanced level of professional communication and interpersonal relationships necessary for the healthcare field. It requires an advanced level of critical thinking related to the implementation, modification and progression of physical therapy rehabilitation programs. Students are placed in both an inpatient and outpatient facility. Supervision of the student is at the advanced level progressing to the job-ready level, and is provided by the staff of the affiliating institution and is coordinated by the college faculty. This course is the second of two Directed Clinical Practice course in the PTA program. (FT) Associate Degree Credit only and not Transferable. (FT) Associate Degree Credit only and not Transferable.

ACTION

Adoption of a program revision at Miramar College.

Proposed program revision at Miramar College:

**Associate in Arts in Communication
Studies for Transfer Degree**

Courses Required for the Major: Units

COMS 103 Oral Communication	3
COMS 135 Interpersonal Communication	3
COMS 160 Argumentation.....	3

(It is recommended that students select courses that meet lower division major preparation requirements for their transfer university)

Select two of the following courses: Units

<u>COMS 170 Small Group Communication.....</u>	<u>3</u>
COMS 180 Intercultural Communication	3
JOUR 202 Introduction to Mass Communication.....	3
ENGL 205 Critical Thinking and Intermediate Composition.....	3
ENGL 210 American Literature I.....	3
ENGL 211 American Literature II	3
ENGL 215 English Literature I: 800-1799	3
ENGL 216 English Literature II: 1800-Present..	3
HIST 105 Introduction to Western Civilization I.....	3
MATH 119 Elementary Statistics or PSYC 258 Behavioral Science Statistics.....	3
PSYC 101 General Psychology.....	3

ENGL 211 American Literature II	3
ENGL 215 English Literature I: 800-1799.....	3
ENGL 216 English Literature II: 1800-Present..	3
HIST 105 Introduction to Western Civilization I.....	3
MATH 119 Elementary Statistics or PSYC 258 Behavioral Science Statistics.....	3
PSYC 101 General Psychology.....	3
SOCO 101 Principles of Sociology	3

Total Units = ~~18-22~~ 18

(It is recommended that students select courses that meet lower division major preparation requirements for their transfer university)

~~If needed to total 18 units, select one of the following courses (not selected above)~~

Select one of the following courses (not selected above): Units

<u>COMS 170 Small Group Communication.....</u>	<u>3</u>
COMS 180 Intercultural Communication	3
JOUR 202 Introduction to Mass Communication.....	3
ANTH 103 Introduction to Cultural Anthropology	3
ENGL 205 Critical Thinking and Intermediate Composition.....	3
ENGL 210 American Literature I.....	3

Computer and Information Science

Pursuant to Section 78016 of the Education Code, the following is a program review summary:

Certificate of Completion Mobile Application Development Program

- A. Labor Market Information¹: The annual average number of persons employed in the Mobile Application Development program area was 9,375 in the 2013 employment year. Approximately 752 new job openings are projected through 2013-2016.
- B. Duplication²: Grossmont College, MiraCosta College, San Diego State University, and University of California San Diego Extension.
- C. Effectiveness³: Program area OR the projected enrollment of 64 for the 2015-2016 years in the new program area.

1. Labor Market Information; Employment Development Department, California.
2. Web, and institutions' class schedules and catalogs.
3. Current enrollment data and Program Chair Career Technical Education, Continuing Education.

ACTION

Adoption of a new program at Continuing Education.

Proposed new program at Continuing Education:

Certificate of Completion Mobile Application Development Program

The following courses must be taken to complete the program:

COMP 645 Mobile App HTML Development
COMP 646 Mobile Software Dev Platform
COMP 647 Mobile App Publication

ACTION

Adoption of a program revision at City College.

Proposed program revision at City College:

**Certificate of Performance
Introduction to Manufacturing
Engineering Technology**

Courses Required for the Major:	Units
MFET 101 Introduction to Manufacturing Engineering Technology or	3
MFET 101A Introduction to Manufacturing I and MFET 101B Introduction to Manufacturing II and	
MFET 101C Introduction to Manufacturing III .3	
MFET 105 Print Reading and Symbology or	3
MFET 105A Print Reading I and MFET 105B Print Reading II or	
ENGN 130 Introduction to Engineering Design and	
MFET 105B Print Reading II	3 4.5
MFET 107 Introduction to Manufacturing Project	1
<i>¹MFET 101 and MFET 105 could be taken in the same semester.</i>	

Total Units = ~~7-8.5~~ 6

Physical Therapist Assistant

ACTION

Adoption of a program revision at Mesa College.

Proposed program revision at Mesa College:

**Associate of Science Degree
Physical Therapist Assistant**

Courses Required for the Major:	Units
<u>PHYR 050 Physical Therapy Introduction</u>	<u>2</u>
<u>PHYR 054 Introduction to Human Movement</u>	<u>3</u>
<u>PHYR 056 Physical Therapy Techniques I</u>	<u>2</u>
<u>PHYR 056L Physical Therapy Techniques I</u> <u>Lab</u>	<u>2</u>
<u>PHYR 062 Introduction to Pathology</u>	<u>3</u>
<u>PHYR 063 Introduction to Therapeutic</u> <u>Exercise</u>	<u>2</u>
<u>PHYR 066 Physical Therapy Techniques II</u>	<u>2</u>
<u>PHYR 066L Physical Therapy Techniques II</u> <u>Lab</u>	<u>2</u>
<u>PHYR 077 Orthopedic Exercise and</u> <u>Rehabilitation</u>	<u>2</u>
<u>PHYR 077L Orthopedic Exercise and</u> <u>Rehabilitation Lab</u>	<u>2</u>
<u>PHYR 078 Topics in Neurology and</u> <u>Rehabilitation</u>	<u>1.5</u>
<u>PHYR 078L Topics in Neurology and</u> <u>Rehabilitation Lab</u>	<u>1</u>
<u>PHYR 081 Organization of Physical Therapy</u>	<u>2</u>
<u>PHYR 070 Directed Clinical Practice</u>	<u>2</u>
<u>PHYR 080 Directed Clinical Practice</u> or <u>PHYR 085 Directed Clinical Practice II</u> and <u>PHYR 090 Directed Clinical Practice III</u>	<u>5-6</u>
<u>PHYR 210 Introduction to Physical Therapy</u>	<u>2</u>
<u>PHYR 215 Documentation Skills</u>	<u>1</u>
<u>PHYR 220 Growth, Development, and Aging</u> ...	<u>3</u>
<u>PHYR 225 Acute Care Techniques</u>	<u>2</u>
<u>PHYR 225L Acute Care Techniques Lab</u>	<u>2</u>
<u>PHYR 230 Introduction to Human Movement</u>	<u>3</u>
<u>PHYR 240 Introduction to Pathology</u>	<u>3</u>
<u>PHYR 250 Introduction to Therapeutic</u> <u>Exercise</u>	<u>2</u>
<u>PHYR 260 Topics in Neurology and</u> <u>Rehabilitation</u>	<u>2</u>
<u>PHYR 260L Topics in Neurology and</u> <u>Rehabilitation Lab</u>	<u>2</u>
<u>PHYR 263 Patient Management</u>	<u>1</u>
<u>PHYR 264 Therapeutic Modalities</u>	<u>1.5</u>
<u>PHYR 264L Therapeutic Modalities Lab</u>	<u>1.5</u>
<u>PHYR 275 Orthopedic Exercise and</u> <u>Rehabilitation</u>	<u>3</u>
<u>PHYR 275L Orthopedic Exercise and</u> <u>Rehabilitation-Lab</u>	<u>2</u>
<u>PHYR 280 Organization of Physical Therapy</u>	<u>2</u>

<u>PHYR 292 Directed Clinical Practice</u>	<u>3</u>
<u>PHYR 294 Directed Clinical Practice II</u>	<u>4.5</u>
<u>PHYR 297 Directed Clinical Practice III</u>	<u>4.5</u>

Total Units = ~~33.5~~ ~~34.5~~ 45