

# College of San Mateo Course Outline

- New Course  
 Update/No change  
 Course Revision (Minor)  
 Course Revision (Major)

Date: September 26, 2010

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**Department:** DGME                      **Number:** 152  
**Course Title:** Advanced Digital Audio: Pro Tools                      **Units:** 3.0  
**Total Semester Hours**    **Lecture:** 48.0    **Lab:** 16.0    **Homework:** 80.0    **By Arrangement:** 0

<b>Length of Course</b> <input checked="" type="checkbox"/> Semester-long <input type="checkbox"/> Short course (Number of weeks _____) <input type="checkbox"/> Open entry/Open exit	<b>Grading</b> <input type="checkbox"/> Letter <input type="checkbox"/> Pass/No Pass <input checked="" type="checkbox"/> Grade Option (letter or Pass/No Pass)
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**Faculty Load Credit** (To be completed by Division Office; show calculations.): **3.7**  
Lecture:  $48/16 = 3$  FLC; Lab:  $16/16 \times 0.7 = 0.7$  FLC

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- Prerequisite** (Attach Enrollment Limitation Validation Form.)  
DGME 118 Digital Audio Production or equivalent
  - Corequisite** (Attach Enrollment Limitation Validation Form.)  
none
  - Recommended Preparation** (Attach Enrollment Validation Form.)
  - Catalog Description** (Include prerequisites/corequisites/recommended preparation. For format, please see model course outline.)

152 Advanced Digital Audio: Pro Tools This class is about digital studio recording and "mixing in the box" using Pro Tools. Students will expand their study of Pro Tools by planning and engineering a recording session. Students will then mix the recording session using the available software plug-ins within the Pro Tools application. Other topics include advanced editing, audio compositing, and recording session management. (Pass/No Pass or letter grade option) Minimum of 48 lecture and 16 lab hours per term. Prerequisite: DGME 118 or equivalent. (AA, CSU)

- Class Schedule Description** (Include prerequisites/corequisites/recommended preparation. For format, please see model course outline.)

152 Advanced Digital Audio: Pro Tools (Pass/No Pass or letter grade option) Minimum of 48 lecture and 16 lab hours per term. Prerequisite: DGME 118 or equivalent. This class is about digital studio recording and "mixing in the box" using Pro Tools. Students will expand their study of Pro Tools by planning and engineering a recording session. Students will then mix the recording

session using the available software plug-ins within the Pro Tools application. Other topics include advanced editing, audio compositing, and recording session management. (AA, CSU)

**6. Student Learning Outcomes** (Identify 1-6 expected learner outcomes using active verbs.)

Upon successful completion of the course, the student will be able to:

- 1) Demonstrate advanced recording session engineering techniques
- 2) Demonstrate recording session management
- 3) Demonstrate audio compositing techniques
- 4) Demonstrate mixing techniques using software plug-ins
- 5) Demonstrate the use of automation
- 6) Demonstrate audio exporting techniques

**7. Course Objectives** (Identify specific teaching objectives detailing course content and activities. *For some courses, the course objectives will be the same as the student learning outcomes. In this case, "Same as Student Learning Outcomes" is appropriate here.*)

*Same as Student Learning Outcomes*

**8. Course Content** (Brief but complete topical outline of the course that includes major subject areas [1-2 pages]. Should reflect all course objectives listed above. In addition, a sample course syllabus with timeline may be attached.)

Recording session engineering: use and placement of multiple microphones, direct input signal acquisition, Pro Tools multi-track session configuration, cable routing.

Recording session management: musical lineup assessment, simultaneously recording, overdubs, monitor mix.

Advanced audio editing: audio compositing, cross-fades, spot doubling, doubling, spot harmonies, lo-fi, expanding reverb, reverse reverb, delay taps.

Mixing techniques: balancing, leveling, compression, automation, stereo imaging.

Audio exporting: dithering, preparation for mastering, transcoding.

**9. Representative Instructional Methods** (Describe instructor-initiated teaching strategies that will assist students in meeting course objectives. Describe out-of-class assignments, required reading and writing assignments, and methods for teaching critical thinking skills. **If hours by arrangement are required, please indicate the additional instructional activity which will be provided during these hours, where the activity will take place, and how the activity will be supervised.**)

Lecture - introduces students to new material and theory-based topics

Demonstrations - to show hands-on use of equipment and applications

Lab - allows students to work with equipment and applications with instructor supervision

**10. Representative Methods of Evaluation** (Describe measurement of student progress toward course objectives. Courses with required writing component and/or problem-solving emphasis must reflect critical thinking component. If skills class, then applied skills.)

Quizzes - to test retention of theory based topics  
Project evaluation - to test proficiency with equipment and software

**11. Representative Text Materials** (With few exceptions, texts need to be current. Include publication dates.)

Mixing in Pro Tools Skill Pack, Author: Brian Smithers  
Course Technology PTR; 2 edition (November 30, 2009)  
ISBN-13: 978-1598639728

The Mixing Engineer's Handbook, Second Edition; Bobby Owsinski;  
Thomson Course Technology; 2nd edition (May 1, 2006);  
ISBN-10: 1598632515 ISBN-13: 978-1598632514

Prepared by: \_\_\_\_\_  
(Signature)

Email address: sanchezs@smccd.edu

Submission Date: \_\_\_\_\_

CSM COURSE REVISION/SIX YEAR UPDATE FORM (updated 9/10/09)

DEPT/NO: DGME 152 COURSE NAME: Advanced Digital Audio: Pro Tools

Please indicate the purpose of this form (check one or both):

**Course revision.** Complete the appropriate area(s) below (major changes, course preparation, or minor changes).

**Six year course update.** Course outlines and any Validation Forms (co-, pre-, and recommended preparation) are required to be updated every six years *even if they have not changed*.

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**MAJOR CHANGES (check all that apply)**

- Change in Units (requires a new course number)
- Change in Course Number
- Major Change in Content (may require a new course number if students will want to repeat the course or if updated course now fulfills a requirement).

For major changes, submit this form and a complete package for a new course (including the Permanent Course Approval Form, the Library Sign-Off Sheet, any applicable Enrollment Limitation Validation Forms, and the Course Outline) with the required signatures. Please submit signed hard copy to the Instruction Office and send an electronic copy (without signatures) to Ada Delaplaine, delaplaine@smccd.edu.

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**VALIDATION CHANGES (PREREQUISITE, COREQUISITE, OR RECOMMENDED PREPARATION)**

- Change in Enrollment Limitation or Six-Year Update

**For a six-year update, California State Regulations require new Validation forms to be submitted even if there are no changes in Validation!**

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**MINOR OR NO CHANGES (check all that apply and explain below)**

- Minor Change in Content
- Change in Course Title
- Change in Student Hours (that does not affect number of units)
- Change in Hours by Arrangement
- Change in Method of Grading (Letter Grade, Pass/No Pass, etc.)
- Minor Changes in Catalog Description
- Minor Changes in Schedule Description
- No Changes to Existing Course (for 6 year course update only)

For minor changes without a six-year update, submit this form and the revised Course Outline. For six-year updates (with or without minor changes), submit this form, the revised Course Outline, and Validation forms. Please submit signed hard copy to the Instruction Office and send an electronic copy (without signatures) to Ada Delaplaine, delaplaine@smccd.edu.

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**EXPLANATION OF ALL CHANGES FROM THE PREVIOUS TWO SECTIONS:**

DGME 152 Advanced Digital Audio Production: Pro Tools is an update of DGME 192 Studio Recording and Mixing Using Pro Tools LE. DGME 152 Advanced Digital Audio Production: Pro Tools has 48 lecture hours, 16 lab hours, and is a 3.0 unit class. The class title has been changed and minor changes have been made to the class description.

DGME 192 Studio Recording and Mixing Using Pro Tools LE has 32 lecture hours, 48 lab hours, and is a 2.0 unit class.

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Yes  No Does this course currently satisfy any of the AA/AS General Education requirements?

Is there a course with this prefix and number offered at another college in SMCCCD?  Yes  No

If yes, provide college, course title, units, prerequisites, corequisites, recommended preparation:

Are the prerequisites, corequisites, recommended prep and unit value the same as proposed for this course?  Yes  No If no, please explain.

CSM COURSE REVISION/SIX YEAR UPDATE FORM SIGNATURE PAGE

DEPT/NO: DGME 152 COURSE NAME: Advanced Digital Audio: Pro Tools

Preparer: \_\_\_\_\_ Date \_\_\_\_\_

Division Dean: \_\_\_\_\_ Date \_\_\_\_\_

COI Division Rep: \_\_\_\_\_ Date \_\_\_\_\_

COI Chairperson : \_\_\_\_\_ Date \_\_\_\_\_

# College of San Mateo Permanent Course Approval Form

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Date: October 13 2009

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## A. GENERAL INFORMATION

Department: DGME

Number: 152

Course Title: **Advanced Digital Audio: Pro Tools**

Units: 3.0

Total Semester Hours: Lecture: 48 Lab: 16

Homework: 64

By Arrangement: 0

Length of Course:

- Semester-long
- Short course (Number of weeks \_\_\_\_\_)
- Open entry/Open exit

Grading:

- Letter
- Pass/No Pass
- Grade Option (letter or Pass/No Pass)

Catalog and Schedule Descriptions: *See attached Course Outline*

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## B. COURSE GOALS

1. Check one:

- AA/AS Degree-Applicable course (Complete Section D)
- Non-Degree Applicable: Basic Skills
- Non-Degree Applicable: **Not** Basic Skills

2. Check as many as apply to this course:

- REQUIRED** for Major (please specify): Digital Media: Digital Audio  
Memo should accompany course submission indicating degree update.
- SELECTIVE** for Major (please specify):  
Memo should accompany course submission indicating degree update.
- TRANSFERABLE** course (Complete Section E)
- Certificate Program** (please specify): Digital Media: Digital Audio (note: do not check for Certificate of Completion)
  - Occupational placement or upgrading
  - License Preparation
  - Skill

3. Course may be taken 1 times for a maximum of 3 units

Do you wish the course to be excluded from audit?  Yes  No

Justification: Students may take this class to refresh skills

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### C. JUSTIFICATION/RESOURCES

1. What evidence of need exists for the proposed course?

DGME 152 Advanced Digital Audio Production: Pro Tools is an update of DGME 192 Studio Recording and Mixing Using Pro Tools LE. DGME 152 Advanced Digital Audio Production: Pro Tools has 48 lecture hours, 16 lab hours, and is a 3.0 unit class. The class title has been changed and minor changes have been made to the class description. DGME 192 Studio Recording and Mixing Using Pro Tools LE has 32 lecture hours, 48 lab hours, and is a 2.0 unit class.

2. Identify special facilities and/or equipment needed to teach this course.

Smart classroom (i.e. whiteboard, projector, audio system), open lab in 10N, recording studio in 10N, mixing rooms in 10N, Pro Tools software and related hardware.

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### D. AA/AS DEGREE GENERAL EDUCATION REQUIREMENT

This course is to be reviewed by the Committee on Instruction to fulfill AA/AS GE requirement(s) indicated below:

Note: Courses recommended to fulfill an AA/AS GE requirement will be considered in Nov/March meetings. The CSM General Education Handbook is available for download on the CSM COI Website.

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|--|--|--|
| <input type="checkbox"/> Math/Quantitative Reasoning           | <input type="checkbox"/> Health Science                          | <input checked="" type="checkbox"/> None |
| <input type="checkbox"/> English composition                   | <input type="checkbox"/> Physical Education                      |  |
| <input type="checkbox"/> American History and Institutions     | <input type="checkbox"/> Natural Science                         |  |
| <input type="checkbox"/> California State and Local Government | <input type="checkbox"/> Social Science                          |  |
| <input type="checkbox"/> English, Literature, Speech           | <input type="checkbox"/> Humanities                              |  |
| <input type="checkbox"/> Communication and Analytical Thinking | <input type="checkbox"/> Career Exploration and Self Development |  |
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### E. TRANSFER INFORMATION (Complete *ONLY* for courses recommended for BA credit)

Guidelines for CSU/UC transfer and CSU breadth/IGETC inclusion are available on CSM COI website.

1. This course is recommended for transfer to CSU
2. This course is recommended to fulfill CSU breadth requirement. CSU-Breadth  
( November submission deadline)
3. This course is recommended for transfer to UC
4. This course is recommended to fulfill IGETC area requirement. UC IGETC  
(November submission deadline; course must already be UC transferable))

IF #2, 3 or 4 are checked, signature required.

\_\_\_\_\_  
Articulation Officer

\_\_\_\_\_  
Date

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**F. INSTRUCTOR LOAD** (To be completed by Division Office; show calculations.)

Faculty Load Credit: 3.7 FLC      Calculations Lecture: 48/16 = 3 FLC; Lab: 16/16 x 0.7 = 0.7 FLC

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**G. CONSULTATION**

Is there a similar or equivalent course in another Division at College of San Mateo?

Yes       No

If yes, provide course prefix, number and title?

If yes, has consultation taken place with appropriate faculty and division dean?  Yes     No  
Please describe the consultation.

Is there a similar or equivalent course in SMCCCD?

Yes       No

If yes, provide college(s) , course prefix, number and title:

If yes, provide course prerequisites, corequisites, recommended prep and unit value:

Are the prerequisites, corequisites, recommended prep and unit value the same as proposed for this course? If not, please provide the rationale for differences.

If yes, has consultation taken place with appropriate college(s)?  Yes     No  
Please describe the consultation.

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## H. APPROVALS

Prepared by:

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
Date

1.

\_\_\_\_\_  
Division Committee on  
Instruction Representative

\_\_\_\_\_  
Date

2.

\_\_\_\_\_  
Division Dean

\_\_\_\_\_  
Date

3.

\_\_\_\_\_  
Instruction Committee

\_\_\_\_\_  
Date

4.

\_\_\_\_\_  
Vice President, Instruction

\_\_\_\_\_  
Date



**FORM A**

**Enrollment Limitation Validation Form  
Type of Validation: Content Review**

*COLLEGE OF SAN MATEO*

Dept. & No. (e.g. SPCH 120) DGME 152

Course Title: **Advanced Digital Audio; Pro Tools**

Enrollment Limitation(s): Prerequisite: DGME 118 Digital Audio or equivalent  
(If more than one type of enrollment limitation, attach required validation forms for each type.)

1. What is the educational rationale for the recommended or prerequisite course, skill, or information?

DGME 152 Advanced Digital Audio; Pro Tools progressively builds on skills taught in DGME 118 Digital Audio: Pro Tools. Students may have equivalent skills from experience or other training programs and classes.

2. Why is knowledge of the recommended or prerequisite course, skill, or information necessary for students to succeed in the "target" course? Specify the relationship between the prerequisite knowledge and skills required of students and those taught in the "target" course. (Please list the specific proficiencies students must possess in order to succeed in the "target" course.)

Students will need to have basic digital recording skills, a working knowledge of sound fundamentals, digital and analog audio fundamentals, recording equipment, and digital recording in Pro Tools software to be successful in DGME 152.

*In compliance with Section 58106 of Subchapter 2 of Chapter 9 of Division VI of Title 5, the above information is certified:*

\_\_\_\_\_  
(Faculty) Date: \_\_\_\_\_

\_\_\_\_\_  
(Division Dean) Date: \_\_\_\_\_

\_\_\_\_\_  
(Articulation Officer) Date: \_\_\_\_\_

\_\_\_\_\_  
(Vice President, Instruction) Date: \_\_\_\_\_