Natural Sciences, Mathematics & Engineering Individual Course Submission Template

*Please name the file with course prefix and number (i.e. MAT 320) and send as an email attachment to:* [*nsmecourses@share.calstate.edu*](mailto:nsmecourses@share.calstate.edu)

[Jump to Review and Approval Cycle](#_Approval_Cycle)

**Yellow highlight indicate fields that must be complete, or documents / information that must be attached.**

## Course Information

*Complete for all courses*

|  |  |  |  |
| --- | --- | --- | --- |
| Course Prefix | Course Number | Course Title | Textbook |
| ECE | 4220 | Digital Signal Processing | ISBN-13: 978-0077366766 |

## Type of Course Conversion

**Select Type of Course Conversion:** Changed

|  |  |  |
| --- | --- | --- |
| Course Type | Definition | Information Needed |
| New | A new course is proposed. The rationale, place in the curriculum, and resource implications are contained in the accompanying proposal summary. This form contains the proposed course number, title, default textbook, catalog description, and PeopleSoft entries. | * Textbook * Syllabus * Catalog Description * PS Catalog |
| Unchanged | The course has been offered in the last five years and will be converted from a 5-quarter-unit course into 3-semester unit course with no other changes in the catalog, PeopleSoft system, or course articulation. | * Textbook * Syllabus |
| Changed | The course has been offered in the last five years and will be converted into a 3-semester unit course (or closest semester equivalent) with the changes indicated in this document. Unless otherwise indicated, there will be no other changes in the catalog, PeopleSoft system, or course articulation. | * Textbook * Syllabus   **Updates To** (if applicable)   * Catalog Description * PS Catalog |
| Elective Inactivation | The course is an elective course, will be inactivated, and will no longer be printed in the catalog. The course can be reactivated if it will be consistently taught. Since the course is not required in any program, there will be no need to make student accommodations for this category. | * No additional information required |
| Required Inactivation | The course was a required course that will not be offered in the semester system. If an outside department requires the course, that department/program chair will need to approve the accommodation.  **Describe Accommodation:** *List whether students will be accommodated by a waiver of that requirement, a substitution, or some other action.*  [Enter Accomodation Here] | * Accommodation |

Catalog Description and Course Syllabus

|  |
| --- |
| **IMPORTANT INSTRUCTIONS** |
| * To turn on “Track Changes” locate **Review > Track Changes** in the top menu and then make your proposed changes to the catalog description. Need Help ? [See Tip Sheet](#_Tip_Sheet) * To attach the **Course Syllabus**, locate **Insert > Object > Attach as File** and browse to locate and upload your syllabus. Need Help ? [See Tip Sheet](#_Tip_Sheet) * To submit the course, follow these steps:  1. Save the file using the **Course Name and Number** **as the filename**. Example: MAT 320 2. When done, **attach the file to an email** and send the email to [nsmecourses@share.calstate.edu](mailto:nsmecourses@share.calstate.edu) |

Catalog Description

*If changes to the catalog description are proposed, enter the existing description and make the proposed changes with tracking on to show the changes. Existing course descriptions are found* [*here*](http://www.csub.edu/q2s/facstaff/program_info/index.html)*.*

|  |  |
| --- | --- |
| Catalog Description | **ECE 4220 Digital Signal Processing (4)**  This course provides an introduction to principles of Digital Signal Processing (DSP) including sampling theory, aliasing effects, frequency response, Finite Impulse Response filters, Infinite Impulse Response filters, spectrum analysis, Z transforms, Discrete Fourier Transform and Fast Fourier Transform. Overviews of modern DSP applications such as modems, speech processing, audio and video compression and expansion, and cellular protocols. Each week lecture meets for 150 minutes and lab meets for 150 minutes. Prerequisites: MATH 2320 or 2520, ENGR/ECE/PHYS 2070, ECE 3040 |

Attach Course Syllabus

*Attach the master syllabus or sample syllabus to this template by placing your cursor after this paragraph, then locating the Insert Tab in the top ribbon and find* ***Insert > Object > Attach as File.***

> 

Changes to PeopleSoft Catalog (only required for new courses)

You can skip this section for most course modifications that require no changes to prerequisites or modes of instruction. If changes are necessary, please enter the changes below. Use only the primary component unless the course involves two modes of instruction (combined lecture/lab course)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Course Components | Component Units | CS# | Grading Basis\* | Pre-requisites | Corequisites | Action or Changes Required |
| **Primary Course Component** | 3 | C04-Discussion | N=Graded | ENGR/ECE/PHYS 2070, ECE 3040, and either MATH 2320 or MATH 2520 |  |  |
| **Secondary Course Component** (optional) | 1 | C16-Sci Lab | [Grading Basis (Secondary)] |  |  |  |

**\*** RP Grading Basis requires approval from the Academic Programs office.

# Review and Approval Cycle

Please select one value from the following drop-down field that represents the review/approval cycle. Each value triggers a workflow notification to start review by the department, curriculum committee, dean, and final approval.

**Select Review and Approval Cycle:** Curriculum Committee Review

Reviewers

*Please enter the name of who is conducting the review for each step of the review cycle.*

| Review Cycle | Name | Date Complete | Comments / Revision Requests |
| --- | --- | --- | --- |
| Department | Melissa Danforth | 8/8/2014 |  |
| Curriculum Committee | Melissa Danforth | [CC Review Date] |  |
| Q2S Exceptions Committee | [Q2S CCC Chair] | [Q2S CCC Review Date] | This Review Level only applies to exceptions and interschool programs. |
| Dean  *(Final Approval}* | [Dean Approver] | [Dean Approval Date] |  |