

Undergraduate/Graduate Course Approval Guidelines

The Office of the University Registrar Academic Governance Staff has prepared this reference to assist faculty in preparing proposal packages for new and revised courses. Our goal is to move proposals as quickly as possible through the approval process while adhering to applicable University policies and standards.

Table of Contents

Overview of Approval Process for New/Revised Course Proposals	2
<i>Course Revisions NOT Requiring Academic Governance Approval</i>	2
<i>Course Revisions Requiring Academic Governance Approval</i>	2
<i>Course Approval Process</i>	2
Makeup of a Complete Course Proposal Package	4
Guidelines for Preparing Course Proposals	4
<i>Preparing “Coversheet – Proposal for New and Revised Courses”</i>	5
<i>Proposal</i>	6
<i>Catalog Description</i>	10
<i>Learning Objectives</i>	11
<i>Justification</i>	13
<i>Prerequisites and Corequisites</i>	15
<i>Texts and Special Teaching Aids</i>	16
<i>Topic Syllabus</i>	17
<i>Old (current) Topic Syllabus (in the case of a revised course)</i>	17
<i>Example Content for Cross-List Letter</i>	19
FAQs and Helpful Hints.....	20
<i>Frequently Encountered Problems with Proposals</i>	21
<i>Helpful Hints</i>	22

I. Overview of Approval Process for New/Revised Course Proposals

A. Course Revisions NOT Requiring Academic Governance Approval

- Course prerequisite change ([Form](#)) (*Requires a letter of support to use courses from other departments/schools*)
- Request to drop course from Catalog ([Form](#))
- Minor course revisions < 20% (*Requires course proposal with revisions incorporated and supporting documentation*)
- Request to cross-list course with an existing academic governance approved course
- Request to end cross-listed course status

B. Course Revisions Requiring Academic Governance Approval

- New course
- Course designator change
- Course number change
 - A change in course number for a previously approved course is considered a “new” course (i.e., changing from 3000-level to 2000-level)
- Course title change
- Credit hour change/change in breakdown of instructional credit hours and instructional contact minutes
- Course content revisions > 20%
 - When assessing whether a change is < 20%, consider the impact to the overall course (i.e., small change to the Catalog Description may also require a revision to the Learning Objectives and/or Topic Syllabus)
- Change in grade mode
- New or revised course for inclusion in Pathways General Education
- Request to create conjoined courses (4000-5000G)
 - The undergraduate proposal must be approved before the graduate proposal can be reviewed
- Request to separate currently approved conjoined courses (4000-5000G)

C. Course Approval Process

1. Administrative Review (< 20% Revision)

- After the course is approved by the respective College’s Curriculum Committee (CCC), the proposal package is uploaded into JIRA as a < 20% course revision.
- The proposal package is screened by the Registrar’s Office Academic Governance Staff to ensure the revision qualifies as < 20% revision and is then processed in Banner.

- If deemed > 20% a notification is sent to the College Curriculum Coordinator (designated curriculum contact) to begin 15-Day Review for review through academic governance.

2. Academic Governance Process (> 20% Revision)

- After the course proposal (new, > 20% revised, or discontinued) is approved by the respective CCC, the proposal package is uploaded into JIRA by the College Curriculum Coordinator and is available for 15-Day Review. 15-Day Review is the review period in which the University community can access CCC approved proposals. It begins on the first day of the second week of classes in Fall and Spring terms and only occurs when classes are in session (not during exams, holidays, etc.).
- During 15-Day Review, concerns, suggestions, and comments on the proposal may be directed to the initiating college by the University faculty, staff, and/or Office of the University Registrar Academic Governance Staff to address comments, recommendations, and/or compliance with University standards and policies.
- Responses to concerns, suggestions, and/or comments to the proposal during the 15-Day Review period should be uploaded into JIRA in the form of a comment on the CM, an email, letter, or memo and directed to the initiating College Curriculum Coordinator and the Office of the University Registrar Academic Governance Staff (AcadGov@vt.edu).
- Any major concern or objection should be resolved by the involved academic units before the proposal may move forward to the Undergraduate Curriculum Committee (UCC), Pathways General Education Curriculum Review Committee (PGEERC), or Graduate Curriculum Committee (GCC), as applicable. If major concern or objection cannot be resolved, representatives from each academic unit working to resolve the concerns will be invited to attend the committee meeting when the proposal is on the agenda. Each academic unit representative will be given the opportunity to present their college/department/school position to committee. Following this discussion, a majority vote for or against by the committee members will approve or decline approval of the proposal.
- It is assumed that "no response" from the University community during the 15-Day Review period represents consent.
- After completion of the 15-Day Review recommendations, the proposal is forwarded to the UCC or PGEERC for undergraduate items or GCC for graduate items.
- Following approval by UCC, PGEERC, or GCC, final approval is granted by either the Commission on Undergraduate Studies and Policies (CUSP) or the Commission on Graduate and Professional Studies and Policies (CGPSP) via approval of the Committee report for certain actions. Other actions (e.g., new or discontinued degree or major, new department/school) require a Resolution through CUSP/CGPSP to University Council and to the President. Additionally, some actions also require a parallel path of approval or notification to SCHEV.
- For academic governance related questions or to check the status of a course proposal moving through the academic governance process, please contact Office of the University Registrar Academic Governance Staff at AcadGov@vt.edu, 231-1179 or 231-7985.
- The typical approval timeline for a course proposal is approximately three months during the academic year.

II. Makeup of a Complete Course Proposal Package

Each course proposal package must include the following items:

1. Completed, signed, and dated “Coversheet – Proposal for New and Revised Courses” ([Form](#)).
2. Course proposal
3. Letter(s) of support, as applicable:
 - Statement from Dean, Department Head/School Director or Designee presenting whether the offering or continued offering of the course will require or generate the need for additional department/school and/or University resources (e.g., faculty, library, space, and/or technical support) (*Required for all course proposals*).
 - Letter(s)/e-mail(s) of support to use another department’s course(s) as a prerequisite or corequisite requirement.
 - Letter of agreement to cross-list course with another department’s course ([Form](#)).

Note: Each version of the course proposal package uploaded into JIRA should be viewed as a stand-alone document and include each of the required proposal package items.

III. Guidelines for Preparing Course Proposals

A. Helpful Hints for Preparing Course Proposals:

- Not all faculty and staff reviewing course proposals will be familiar with the course content or discipline. To assist in the review process, write all proposal sections so that both primary readers (subject matter experts) and secondary readers (people outside the discipline) will be able to understand what is being taught in the course (e.g., avoid using discipline jargon, define acronyms).
- One of the key areas that the Curriculum Committees consider in the review of a course proposal is the continuity/alignment between the Catalog Description, Learning Objectives, and Topic Syllabus sections of the course proposal:
 - Is there a notable alignment between the content in the Catalog Description to the topics outlined in the Learning Objectives and Topic Syllabus?
 - Do the Learning Objectives reflect measurable outcomes to assess the student’s proficiency in these content areas?
 - Have key/connecting words and concepts been used throughout the proposal to show alignment between the Catalog Description, Learning Objectives, and Topic Syllabus?
- **Conjoint Courses:** Pairs of 4000- and 5000-level courses that offer the same content to undergraduate and graduate students respectively. When a conjoint course is scheduled (face-to-face or virtually), a section of each course will be scheduled in the same classroom or virtually, at the same time, and taught by the same faculty. The undergraduate proposal must be approved by the UCC before the graduate proposal can be reviewed by the GCC.
- **Cross-Listed Courses:** Courses that are cross-listed between two or more departments/schools. When a cross-listed course is scheduled (face-to-face or virtually), a section of each course will be scheduled and taught in the same classroom or virtually, at the same time, and taught by the same faculty. A single course proposal package is submitted for cross-listed courses.

- **Course Proposal should include:**

- Catalog Description
- Learning Objectives
- Justification
- Prerequisites and Corequisites
- Texts and Special Teaching Aids
- Topic Syllabus
- Old (current) Topic Syllabus (if a revised course)

B. Preparing “Coversheet – Proposal for New and Revised Courses”

General Information

Proposal Date: The date the proposal was written.

Department/School

Course Designator and [Number](#)

[Title of Course](#)

[Credit Hours](#)

- Reference “[Instructional Credit Hour and Instructional Contact Minutes](#)” requirements. [Course Transcript Title \(ADP\) \(Automated Data Processing\)](#)

Department/School Contact:

- Who will be contacted regarding needed revisions
 - Contact Phone
 - Contact E-Mail

[Scorecard Metrics](#) (for undergraduate courses only)

- Study Abroad
- Service Learning
- Experiential
- Undergraduate Research

Note: *The justification for all selected Scorecard Metric areas must be included in the Justification section of the course proposal.*

[First Year Experience](#)

- Include letter of approval from Director of First Year Experiences stating that course is in compliance with FYE requirements.

Check ONLY ONE of the following boxes:

New Course

- A change in course number for a previously approved course is considered a “New” course.

Revised Course*

- [Select whether course is proposed as “Revision > 20%” or “Revision < 20%”](#)

For Pathways courses, complete proposal documentation found on Pathways General Education website (<https://www.pathways.prov.vt.edu/proposal-forms.html>).

*If proposal is a course revision, include a summary of course revisions in the Justification section of course proposal.

- A. Attach statement from Dean or Department/School Representative: Letter of Support
- B. Attach appropriate letters of support from affected departments/schools and/or Colleges: Letters of Support
- C. Effective Semester:
- D. Change in Course Title (From: To:)
- E. Change in Transcript Title (ADP) (From: To:)
- F. Change in Credit Hours (From: To:)
 - Reference “Instructional Credit Hour and Instructional Contact Minutes” requirements at <https://registrar.vt.edu/faculty-toolbox/instructional-minutes.html>.
- G. Change in Lecture and/or Lab Hours (From: To:)
 - Reference “Instructional Credit Hour and Instructional Contact Minutes” requirements at <https://registrar.vt.edu/faculty-toolbox/instructional-minutes.html>.
- H. Course Number(s) and Title(s) to be deleted from the Catalog with APPROVAL:

***Note:** If course will not be discontinued until a later time, please do not list the information here and submit a “Request to Drop Course from the Catalog” [form](#), located on the Office of the University Registrar website.*

Approval Signatures

- All signatures are required for initial submission:
 - If Coversheet needs to be revised during the academic governance review process, add a revised Coversheet to proposal package, placing on top of original Coversheet, and stating “See attached Coversheet for signatures” in “Approval Signature” section of the revised Coversheet.

C. Proposal

1. Title of Course

- 75 character space max, mixed case, printed in the **University Catalog**.
- **Conjoint Courses:** The graduate course title must match the undergraduate course title, except that it must begin with “Advanced.” For example, Biomaterials (undergraduate) and Advanced Biomaterials (graduate).

2. Course Transcript Title (ADP Title-Automated Data Processing)

- 30 character space max, mixed case, printed on student academic **transcript** and **time table**.
- When possible, ADP title should be the same as course title or a condensed version of the course title when over 30 characters.
- Use as many of the 30 spaces as is practical and arrange abbreviations to maximize information about course content.

- **Topics Course:** If a course may be repeated with different content for credit, please consider adding “Topics” to the course title. This would have the advantage of allowing different subject topics to be presented on the student transcript. If this direction is taken, begin the course title and ADP title with the word “Topics” on the Coversheet (e.g., title: Topics in Global Public Policies, ADP: Topics Global Public Policies).
- **Cross-Listed Courses:** List department/school (subject) designator and course number for all cross-listed courses, formatted with the Home department/school listed first and cross-listed departments/schools thereafter in parentheses, i.e., WGS 2264 (AFST 2264) (SOC 2264).

3. Course Number

- Adhere to the University Course Number Policy ([Policy 6900](#)).
- A discontinued course number may not be reused until 5 years has elapsed.
- Stand-alone courses must end with the digit “4.”
- **Series Course:** The course numbers for multi-semester courses are separated by hyphens if courses *must* be taken in semester sequence (i.e., XXX5 – XXX6). Do not append I and II to the course title.
- **Connected Course:** The course number for multi-semester courses are separated by a comma, if courses are *not* required to be taken in sequence (i.e., XXX5, XXX6).
- **Cross-Listed Courses:** If possible, it is preferred that course numbers have the same digits. The first and fourth digits must be the same.
- **Conjoint Courses:** The graduate course number ends with G. It is preferred that the undergraduate and graduate courses have the same digits except for the 4 or 5 as the first digit (i.e., 4024 and 5024G). If the parallel graduate course number is already in use, please consult with Office of the University Registrar Academic Governance Staff.

Policy 6900: Course Numbering System

First Digit of Course Number

The first digit of a course number indicates the academic level of the students for whom the course is primarily designed.

First Digit of Course Number	Description of Student Level
0	Any level student; course is not for University credit (except for Agricultural Technology courses)
1	First-year undergraduate students
2	Second-year undergraduate students
3	Third-year undergraduate students
4	Fourth-year and fifth-year undergraduate students
5	First-year graduate students and second-year graduate students pursuing a Master’s degree
6	Regular graduate students beyond the Master’s level
7	Regular graduate students beyond the Master’s level
8	Professional degree candidates (DVM)
9	Professional degree candidates (DVM)

Second and Third Digits of Course Number

The second and third digits are established at the option of the department with the following conditions:

- The combination must be identical for each course within a given sequence.
- Combinations which are dedicated throughout the University for courses of a specific type must be used only as defined.
- No number combination previously used may be reclaimed for a new course until 5 years has elapsed after the previous use.

Fourth Digit of Course Number

The fourth digit indicates whether the course is part of a sequence and its placement in the sequence.

Fourth Digit of Course Number	Significance of Fourth Digit
4	Not part of a sequence
5	First in sequence of two and three courses
6	Second in sequence of two or three courses
7	Third in sequence of three courses
Numbers 0 - 3, 8, and 9 must not be used.	

Course Number Combinations with Preassigned Meaning

The following course number combinations must be used by any department offering courses of the types indicated. The course number combinations may not be used for any other course types.

Dedicated Numbers	Course Types
5894	Final Examination (Master's-level only)
x904	Project and Report
x954	Study Abroad
x964	Field Work/Practicum
x974	Independent Study
x984	Special Study
x994	Research

4. Credit Hours

To determine contact to credit hour for a course based on the given instructional delivery, reference the requirements of the Instructional Credit Hour and Instructional Contact Minutes and/or the Instructional Credit Hour and Instructional Contact Minutes Calculator found at <https://registrar.vt.edu/governance.html>. For quick reference:

- Lecture - 1 contact hour = 1 credit hour
- Lab - 3 contact hours = 1 credit hour
- Design Lab/Studio - 1.5 contact hours = 1 credit hour
- Recitation – 1 contact hour = 1 credit hour

Example 1: 3 credit hour course with 1 credit hour lab – state, “(2H, 3L, 3C)” at end of Catalog Description.

Lecture with Lab or Lab only (i.e., Lecture 0 credit hours) Calculator									
Lecture Contact to Credit Hour Calculation	2	Input Proposed Course Lecture Credit Hour(s)							
	1	contact hour	=	1	credithour				
	2	credit hour(s)	X	1	contacthour/credit hour	X	50	minutes/ contact hours	= 100 minutes/ week
	100	minutes/week	x	15	weeks/term	=	1500	aggregated minutes/term	
Lab Credit Contact to Credit Hour Calculation	1	Input Course Proposed Lab Credit Hour(s)							
	3	contact hour	=	1	credithour				
	1	credit hour(s)	X	3	contacthour/credit hour	X	50	minutes/ contact hours	= 150 minutes/ week
	150	minutes/week	x	15	weeks/term	=	2250	aggregated minutes/term	
Resulting Course Total Credit Hour Breakdown (H, L, C) for Lecture with Lab or Lab only (i.e., Lecture 0 credit hours)	2	H (Lecture)		3	(L) Lab		3	C (Credit Hours)	Proposed Course Total Credit Hours
Resulting Course Weekly Meeting Time for Proposed Lecture with Lab or Lab only (i.e., Lecture 0 credit hours)	100	minutes/week		150	minutes/week		250	minutes/week	Proposed Course Total Meeting Time per Week
Resulting Course Term Meeting Time for Proposed Lecture with Lab or Lab only (i.e., Lecture 0 credit hours)	1500	aggregated minutes/term		2250	aggregated minutes/term		3750	aggregated minutes/term	Proposed Course Total Meeting Time per

Example 2: 3 credit hour course with 1 credit hour design lab/studio – state, “Design Lab/Studio (2H, 2L, 3C)” at end of Catalog Description.

Lecture with Design Lab/Studio or Design Lab/ Studio only (i.e., Lecture 0 credit hours) Calculator										
Lecture Contact to Credit Hour Calculation	2	Input Proposed Course Lecture Credit Hour(s)								
	1	contact hour	=	1	credit hour					
	2	credit hour(s)	X	1	contact hour/ credit hour	X	50	minutes/ contact hours	=	100 minutes/ week
	100	minutes/ week	x	15	weeks/term	=	1500	aggregated minutes/ term		
Design Lab/Studio Contact to Credit Hour Calculation	1	Input Proposed Course Design Lab/Studio Credit Hour(s)								
	1.5	contact hour	=	1	credit hour					
	1	credit hour(s)	X	1.5	contact hour/ credit hour	X	50	minutes/ contact hours	=	75 minutes/ week
	75	minutes/ week	x	15	weeks/term	=	1125	aggregated minutes/ term		
Resulting Course Total Credit Hour Breakdown (H, L, C) for Design Lab Studio or Design Lab/ Studio only (i.e., Lecture 0 credit hours)	2	H (Lecture)		2	(L) Design Lab/Studio (Note: calculation is rounded to whole number)		3	C (Credit Hours)	Proposed Course Total Credit Hours	
Resulting Course Weekly Meeting Time for Proposed Lecture with Design Lab/Studio or Design Lab/Studio only (i.e., Lecture 0 credit hours)	100	minutes/ week		75	minutes/ week		175	minutes/ week	Proposed Course Total Meeting Time per Week	
Resulting Course Term Meeting Time for Proposed Lecture with Design Lab/Studio or Design Lab/ Studio only (i.e., Lecture 0 credit hours)	1500	aggregated minutes/ term		1125	aggregated minutes/ term		2625	aggregated minutes/ term	Proposed Course Total Meeting Time per Term	

D. Catalog Description

Brief description of the course as it will appear in the Catalog. Description should align with Learning Objectives and Topic Syllabus. Include contact to [credit hour](#) structure (i.e., 2H, 3L, 3C). Unless “P/F only” is indicated, course will be set up as all grade modes (A-F as the default).

Helpful Hints for the Catalog Description:

- To promote consistency in the University catalogs, use phrases (declarative statements) rather than complete sentences. In most cases, this can be accomplished by using phrases without verbs and removing introductory and transitional words. Concise sentences may be used when phrases do not convey the desired intent.
- Use key words/concepts to promote continuity/alignment between the Catalog Description, Learning Objectives, and Topic Syllabus.
- **Repeatability:** If course may be repeated, include statement “May be repeated _____ times with different content for a maximum of _____ credit hours.”
 - o Example for a 3 credit course: “May be repeated 2 times with different content for a maximum of 9 credit hours.”

- If there is content duplication between proposed course and another currently approved course and students may not receive credit for completing both, include statement “Duplicates.....” or “Course credit will not be awarded for both and ____” or words to this effect. **Do not state “partial duplication”.**
- **Sequenced (Series or Connected) Courses:** (i.e., XXX5 – XXX6 *or* XXX5, XXX6)
Include content taught in both courses. Begin with statement providing overview, followed by XXX5: content taught in this course; XXX6: content taught in this course. Pre: ____ for XXX5. Pre: XXX5 for XXX6. (3H, 3C).
 - Example for a 1115, 1116 sequence:
“Examines the history of the United States through intersections of politics, economics, sciences, the arts and significant social movements. Considers how the modern United States has emerged through the interactions of diverse ethnic, racial, national, class, and religious groups. 1115: pre-Columbian societies through Civil War; 1116: Reconstruction through present. (3H, 3C)”
 - Example for a 1015-1016 sequence:
“Introduction to oral and written communication. 1015: Focus on oral and written communication in interpersonal, small group, and public contexts, including intercultural communication. Special emphasis on the writing process, audience, listening, conflict resolution, critical analysis, and communication in digital and visual media. 1016: Continued study in oral and written communication skills for small group and public contexts. Focus on practical applications in ethical research and information gathering, audience analysis and adaptation, message development, and oral, written, and visual presentations by individuals and groups. May not receive credit for both 1016 and 2004. Pre: 1015 for 1016. (3H, 3C).”
- **Conjoint Courses:** Catalog Description must be identical for both courses, except the graduate course will include “Pre: Graduate standing.” Both courses should meet for the same number of contact hours and carry the same number of credits.

E. Learning Objectives

Include following statement and number learning objectives...

Having successfully completed this course, the student will be able to:

1. Learning Objective 1
2. Learning Objective 2
3. Learning Objective 3

Helpful Hints for the Learning Objectives:

- What new capabilities, skills, and levels of awareness will students derive from this course?
- The objectives must be **measurable**.
- Begin with “Having successfully completed this course, the student will be able to:” or words to this effect.
- To aid in the committee review process, please number the objectives rather than using bullets.

- Ensure the use of punctuation at the end of the objectives is consistent for all objectives.
- Use key words/concepts/phrases to promote continuity/alignment between the Catalog Description, Learning Objectives, and Topic Syllabus.
- **Sequenced (Series or Connected) Courses:** (i.e., XXX5 – XXX6 or XXX5, XXX6) structure the Learning Objectives using:
 - Header “XXX5” to present Learning Objectives that align with presentation of content taught in Catalog Description and Topic Syllabus for the XXX5 course.
 - Header “XXX6” present Learning Objectives that align with presentation of content taught in Catalog Description and Topic Syllabus for this XXX6 course.
- **Topics Courses:** Write Learning Objectives broad enough that they support the two to three sample Syllabus topics provided in the course proposal.
- **Conjoint Courses:** Learning Objectives must be identical for both courses, except the graduate course must include one or two additional objectives to address the advanced learning outcomes expected at the graduate level.
- Do not list assignments, but state measurable learning outcomes students are expected to gain from that assignment.
- Although not all inclusive, the following table provides a list of **action verbs** to use in formulating Learning Objectives:
 - When appropriate, consider using higher graduate academic-level outcomes when writing upper-level undergraduate and graduate course Learning Objectives. Lower academic-level verbs are marked with *.
 - If applicable to course content, lower-level verbs may be used provided that most of the verbs are appropriate for that academic level.
 - While one action verb per learning objective is preferred, additional action verbs may be used if the verbs are closely aligned and the learning objective outcome can still be assessed.
 - Do not use “Demonstrate an understanding of…” or “Understand…”

abstract	compute	estimate	measure	represent
acquire	conclude	evaluate	memorize *	reproduce
adjust	construct	examine	move	restate *
agree	contrast	experiment	name *	review
analyze	convert	explain *	observe	revise
apply	cooperate	explore *	offer	schedule
appraise	create	express	operate	score
argue	criticize	extrapolate	order	select
arrange	critique	formulate	organize	sequence
assemble	debate	generalize	participate	set up
assess	defend	help	perform	shop
attach	define *	identify *	plan	sketch
avoid	derive	illustrate	practice	solve
bend	describe *	implement	praise	specify
break	design	indicate *	predict	state *
down	detect	inspect	prepare	summarize *
build	determine	instruct	produce	support
calculate	diagram	integrate	propose	systematize

carry out	differentiate	interpret	question	test
categorize	discriminate	investigate	rate	theorize
check	discuss *	join	recall *	transform
choose	dissect	judge	recognize *	translate
classify	distinguish	justify	record	use
collect	dramatize	label	relate	value
combine	draw	list	repair	verify
compare	duplicate	locate	repeat	weigh
compose	employ	manage	report	write *

Examples:

A) Instead of:

1. Conduct a review of the literature.
2. Review journal articles.

Consider:

1. Analyze the use of theory in scholarly journal articles.
2. Evaluate the research designs and analytic methods used in recent publications.
3. Assess the scientific merits and weaknesses of research published in scholarly journals.

B) Instead of:

1. Apply analytical methods and communicate results in both written and oral presentation formats.
2. Write a grant proposal.

Consider:

1. Apply analytical methods of _____ in order to justify conclusions about...
2. Critique the literature on and develop the rationale for new research.

F. Justification

Address **each** of the following items, as applicable, to the specific course proposal, in **separate paragraphs** (headers for the paragraphs are not necessary):

- **Need?** Paragraph to justify why the course is needed. Specify the reason why the proposed course should be taught at VT (*required for all course proposals*).
 - Include arguments establishing the educational significance/uniqueness of the proposed course with respect to a curriculum or program of study.
 - How course offering will benefit/support students in the pursuit of area of study.
 - Avoid arguments related to staff competence, pressure, and critiques from external entities or student dissatisfaction with existing course(s) as justification for course.

Note: Simply stating that course is not currently taught at VT does not provide an adequate justification. Please include reasoning/explanation for why course is needed.

- **Revision?** If proposal is a revised version of an existing course, include paragraph outlining specific changes made to course (i.e., changes in credit hours, title change, course number change, inclusion in Pathways General Education).

- **Scorecard Metric?** If proposal requests a Scorecard Metric area (*undergraduate courses only*) (i.e., **Study Abroad, Service Learning, Experiential, Undergraduate Research**), include paragraph of support. Justification should address metric area requirement as outlined by the “Scorecard Metrics Definitions” found at <https://registrar.vt.edu/faculty-toolbox/scorecard-metrics.html>.
- **Academic Level:** Paragraph to justify and explain why this course is taught at the requested academic level (*required for all course proposals*).
 - Begin paragraph with statement, “Course is taught at the X000-level because...”
 - As applicable, frame level justification for course based on the value and/or contribution the placement of the course at the X000-level offers a student toward the successful completion of the course and/or academic program, giving consideration to the following:
 - Skills/concepts acquired by students through courses completed during previous academic level(s) that support student success in the course. For example:
 - Program courses taken at 1000, 2000, and/or 3000 level for a 4000-level course...
 - “...use of laboratory equipment, familiarity with circuit design and analysis techniques learned during sophomore year...”
 - “...requires integration of knowledge learned in required courses normally taken during sophomore or junior years...”
 - Program courses taken at UG level for a 5000-level course...
 - “...builds upon undergraduate skills and knowledge in an applied, professional format while introducing advanced theoretical content...”
 - Skills/concepts acquired by students through the completion of the course prerequisite(s) that support student success in the course. For example:
 - Content taught in UG prerequisite for an UG course...
 - “...background in cell regulatory process, protein function, and other biological principles taught in prerequisites enabling student to think in language of chemical structure and reactivity...”
 - Content taught in 5000 level prerequisite for a 5000 graduate level course...
 - “...graduate students who have the knowledge of regression models, statistical inference, and linear models theory acquired through course prerequisites...”
 - “...builds upon structure and functions of neurons and glial cells, molecular signaling, and the cellular and molecular basis of nervous system diseases taught in course prerequisites...”
 - Expectations based upon student ability to comprehend, assimilate, discuss, and/or apply course material appropriate for requested course academic level. For example:
 - Academic rigor of course (e.g., introductory, intermediate, or advanced content/material; course work load);
 - Tasks (e.g., concept memorization/application, communication skills, problem solving, data interpretation and/or analysis, team projects, research); and/or

- Maturity (e.g., cognitive development, critical thinking skills, life/academic/work experiences, cumulative academic knowledge).
- Rationale presented by the department/school in support for timing of when a course is taken within particular curriculum structure or program of study. The level of difficulty of the subject matter is not the basis for this level justification, but rather the placement of the course in a particular curriculum structure or program of study as determined appropriate by the department/school.

Helpful Hints for the Level Justification:

- The intent of the above is to provide a variety of topical areas that may be used in support of the course level justification. Course level justification should be a concise/succinct statement using only those topical areas that apply.
- Consider the following questions, as applicable, when formulating the level justification:
 - What does the student need to bring to the course to succeed?
 - What does the student need to succeed while in the course?
 - What will the student take from the course and apply toward the successful completion of their area of study?
- **Conjoint Courses:** Although the justification must be parallel for both courses, the graduate proposal must also indicate the need for the course at the 5000-level of instruction. Begin paragraph with statement, “Course is taught at the 5000-level because...”

G. Prerequisites and Corequisites

List any required prerequisites and/or corequisites with titles, specifying any “and”/ “or” combinations, noting that a comma signifies the “and” indicator. Department/school course designator is only used when prerequisite courses belong to another department/school. Example for a ME course:

“Pre: (3534 Controls Engineering I, ECE 3254 Industrial Electronics) or (ECE 2004 Electric Circuit Analysis, ECE 2704 Signals and Systems)”

Helpful Hints for Prerequisites and Corequisites:

- If a specific course (or courses) constitutes a prerequisite(s), consider including a description of material from the prerequisite course that is of significance for the success in this course in order to strengthen level justification in Section III: Justification.
- A prerequisite does not by itself, justify course level nor is a prerequisite necessary for a subsequent level.
- When including a minimum grade requirement for a prerequisite course, data must be provided that clearly shows the need for that minimum grade to be successful in the course. Minimum grade prerequisites are not to be used to limit enrollment in courses. This information should be listed in the “Prerequisite/Corequisite” section of the proposal.
- Permission of instructor is implied and does not need to be listed.
- Do not list prerequisites for prerequisites.
- **Conjoint Courses:** Prerequisite for the graduate course must be “Pre: Graduate standing.”
- **Graduate Courses:** Prerequisites are required in all graduate course proposals:

- The default prerequisite is “Pre: Graduate standing.”
- “Graduate standing” may be omitted only if a graduate course is a prerequisite.
- Courses numbered lower than 5000 are not permitted as prerequisites for graduate courses.

H. Texts and Special Teaching Aids

Use header to present whether text is “Required” and will need to be purchased by the student. If there is not a required text that students must purchase, state “Required: None. No text is required because...” and provide justification as to why there is no required text and include examples of materials that will be used.

For texts that would be helpful to have, but students are **not** required to purchase, list under “Recommended” header.

If all reading materials will be provided through the course at no cost to the student, include those under header “Provided.”

Under each applicable header, apply consistent use of APA 7th or MLA 8th format to cite reference materials, order citations alphabetically, and include reference to applicable page numbers. For example:

APA - Author Last name, Initials. (Year of publication). *Title of work: Work*. Publisher. pp.

MLA- Author Last name, First name. *Title of Work*. Publisher, Year of publication. pp.

Include separate header/category for any additional course materials and teaching aids to be used. List in alphabetical order special materials such as supplementary texts, journal articles, periodicals, films, and courseware packets (with examples), websites, etc. Do not attempt to be exhaustive.

Helpful Hints for Texts and Special Teaching Aids:

- If a textbook, readings, or other materials are required, include one or more text or representative examples. If only journal articles are required or recommended, include several representative examples (an exhaustive list is not necessary). For texts where not all content will be used, list applicable chapters and/or pages from textbooks.
- **Sequenced (Series or Connected) Courses:** (i.e., XXX5 – XXX6 *or* XXX5, XXX6) structure Texts and Special Teaching Aids using:
 - Header “XXX5” followed by “Required” and/or “Recommended” to present listing of text and/or special teaching aids.
 - Header “XXX6” followed by “Required” and/or “Recommended” to present listing of text and/or special teaching aids.
- **Topics Courses:** Provide at least two example reading lists to illustrate the assigned “Texts and Special Teaching Aids” and/or learning materials for different topics.

I. Topic Syllabus

The Topic Syllabus will be reviewed by many people not familiar with the subject matter, therefore, avoid jargon and define any acronyms. List topics or major units with percentage of course time for each topic under heading “Topic.” If a topic contains over 20%, a breakdown of sub-topics is to be listed. Percentage of time must total 100% and is to be placed under heading “Percent of Course.” For example:

Topic	Percent of Course
Topic 1	30%
Subtopic 1	
Subtopic 2	
Topic 2	20%
Topic 3	20%
Topic 4	15%
Topic 5	15%
Total	100%

Helpful Hints for the Topic Syllabus:

- Use key words/concepts to promote continuity/alignment between the Catalog Description, Learning Objectives, and Topic Syllabus.
- Avoid beginning Syllabus topics with action verbs.
- Do not list assignments, rather state skill/concept taught in support of the successful completion of assignment.
- **Sequenced (Series or Connected) Courses:** (i.e., XXX5 – XXX6 *or* XXX5, XXX6) structure Topic Syllabus using:
 - Header “XXX5” followed by topics.
 - Header “XXX6” followed by topics.
- **Topics Courses:** Provide at least two example Topic Syllabi to illustrate the content to be covered when the courses focus on different topics.
- **Conjoint Courses:** Topic Syllabus must be identical for both undergraduate and graduate courses.

J. Old (current) Topic Syllabus (in the case of a revised course)

The Topic Syllabus of the course(s) currently being taught must be included.

- If course proposal includes a change in course number (i.e., making it a new course), the course syllabus for the previous course may be included for clarity.

K. Letters of Support

Include all of the following letter(s) of support depending on the specific proposal:

- Statement from Dean, Department Head/School Director or Designee presenting whether the offering or continued offering of the course will require or generate the need for additional departmental and/or University resources (e.g., faculty, library, space, and/or technical support) (*required for all course proposals*).
- Include letter(s)/e-mail(s) of support to use another department's course(s) as a prerequisite or corequisite requirement:
 - If a course revision, letter of support is only needed for a prerequisite/corequisite that has been added as a new requirement.
- **Cross-listed Courses:** Include cross-listing letter of support signed by all departments/schools detailing cross-list agreement that includes all of the following information (*example on next page*):
 - Identification of course Home department/school (first listed) and cross-list department/school(s).
 - Acknowledgment that when cross-listed course is scheduled (face-to-face or virtually) that a section of each course will be scheduled in the same classroom (or virtually), at the same time, and taught by the same faculty.
 - Acknowledgment that if Home department/school course is inactivated that cross-listed course department/school(s) will submit a new course proposal through academic governance if they wish to continue teaching the course.
- Include letter of approval from Director of First Year Experiences stating that the course is in compliance with FYE requirements, if applicable (www.fye.vt.edu).

Example Content for Cross-List Letter

Date:

To: University Registrar

Cc: Gary Costello, Associate Registrar & Nicole Akers, Governance Coordinator

Re: Cross-Listing of ABCD 1234 (EFGH 1234) (IJKL 1234)

The Department of ABCD would like to request the ABCD 1234 (EFGH 1234) (IJKL 1234), Course Title, course cross-listing effective [term year].

It is understood that when this cross-listed course is scheduled (face-to-face or virtually) that a section of each course will be taught in the same classroom (or virtually), at the same time, and by the same faculty.

It is also understood that if the ABCD 1234 (Home Department) course is inactivated that the EFGH and/or IJKL Department must submit a new course proposal through the academic governance system if they wish to continue teaching the course offering.

ABCD 1234 (Home Department/School) _____ / _____
Dean, Department Head/School Director, or Designee / Date

EFGH 1234 (Cross-listing Department/School) _____ / _____
Dean, Department Head/School Director, or Designee / Date

IJKL 1234 (Cross-listing Department/School) _____ / _____
Dean, Department Head/School Director, or Designee / Date

IV. FAQs and Helpful Hints

A. FAQ

How do I get my course proposal into JIRA?

Each College has designated a Curriculum Coordinator who facilitates uploading course proposals into JIRA. Please contact the Office of the University Registrar Academic Governance Staff if help is needed to identify this contact.

I just received 15-Day Review feedback from Academic Governance Staff, what do I do now?

After the requested revisions are complete, please send the proposal to your College's designated Curriculum Coordinator for uploading into JIRA.

I just received feedback from the Curriculum Committee, what do I do now?

After the requested revisions are complete, please send the proposal to your College's designated Curriculum Coordinator for uploading into JIRA.

How can I find out if a course number is available for use?

Please contact the Office of the University Registrar Academic Governance Staff for support at AcadGov@vt.edu or (540) 231-1179.

What is an ADP title? Is this different from a course title?

When possible, ADP title should be the same as the course title or a condensed version of the course title when over 30 characters.

What is a conjoint course?

Pairs of 4000- and 5000-level courses that offer the same content to undergraduate and graduate students respectively. They are scheduled in the same classroom (face-to-face or virtually), at the same time, and taught by the same faculty. The undergraduate proposal must be approved by the UCC before the graduate proposal can be reviewed by the GCC.

The graduate course title must match the undergraduate course title, except that it must begin with "Advanced." For example, Biomaterials (undergraduate) and Advanced Biomaterials (graduate).

The graduate course number ends with "G." It is preferred that the undergraduate and graduate courses have the same digits except for the 4 or 5 as the first digit (i.e., 4024 and 5024G). If the parallel graduate course number is already in use, indicate a different (available) number.

Catalog Description must be identical for both courses, except the graduate course will include "Pre: Graduate standing." Both courses should meet for the same number of contact hours and carry the same number of credits.

Learning Objectives must be identical for both courses, except the graduate course must include one or two additional objectives to address the advanced learning outcomes expected at that level.

Justification must be parallel for both courses. The graduate proposal must indicate the need for the course at the graduate level of instruction and must provide justification for receiving graduate credit.

Prerequisite for the graduate course must be “Pre: Graduate standing.” The Topic Syllabus must be identical for both courses.

The GCC will not act on requests for graduate credit for a conjoint 4000-5000G course until the 4000-level course is approved by UCC, thus adding time to the process for obtaining graduate credit for the 5000G course. Submit the approved 4000-level course proposal with the proposal for the 5000G counterpart course.

What is a cross-listed course?

Courses that are cross-listed between two or more departments/schools. When a cross-listed course is scheduled (face-to-face or virtually), a section of each course will be scheduled in the same classroom or virtually, at the same time, and taught by the same faculty. A single course proposal package is submitted for cross-listed courses.

List department/school (subject) designator and course number for all cross-listed courses formatted with the Home department/school listed first and cross-listed departments/schools thereafter in parentheses, i.e., WGS 2264 (AFST 2264) (SOC 2264).

If possible, it is preferred course numbers have the same digits. The first and fourth digits must be the same.

Include letter of support signed by all departments/schools detailing cross-listing agreement that includes all of the following information:

- Identification of course Home department/school and cross-listed department/school(s).
- Acknowledgment that when cross-listed course is scheduled (face-to-face or virtually) that a section of each course will be scheduled and taught in the same classroom or virtually, at the same time, and by the same faculty.
- Acknowledgment that if the Home department/school course is inactivated, the cross-listed course department/school(s) will submit a new course proposal through academic governance if they wish to continue teaching the course.

If my proposed class is 3 credit hours, how many hours per week do we need to offer for the lecture and the lab respectively?

Reference the Instructional Credit Hour and Instructional Contact Minutes found at <https://registrar.vt.edu/faculty-toolbox/instructional-minutes.html>.

Reference the Instructional Credit Hour and Instructional Contact Minutes Calculator found at <https://registrar.vt.edu/faculty-toolbox/instructional-minutes.html>.

Can I change the lecture/lab contact hours without changing the course credit hours or vice versa?

Reference the Instructional Credit Hour and Instructional Contact Minutes found at <https://registrar.vt.edu/faculty-toolbox/instructional-minutes.html>.

B. Frequently Encountered Problems with Proposals

- Missing resource letter with course submission.
- Missing support letter from other department/school and/or College.
- Missing cross-list letter.
- Inappropriate Course Transcript Title (ADP) - Exceeds maximum character spaces or lack of alignment with the long title, or not identical when long title is less than 31 characters.

- No indication if course is new or revised.
- Missing effective semester or effective semester has already expired (lack of lead-time).
- Not clear if course replaces or duplicates another course.
- Inconsistency in University requirement for lecture and lab contact hours to credit hours.
- Incomplete approval signatures and dates.
- Non-measurable Learning Objectives or Learning Objective(s) are not appropriate for academic level.
- Incomplete textbook information, citations not listed in alphabetical order, citation not in APA or MLA format, and/or missing page numbers.
- Lack of Topic Syllabus breakdown for topics greater than 20%.
- Editing the wrong version of the proposal package throughout the academic governance process.
- Subsequent revisions of course proposal uploaded into JIRA do not include all letters/documents.

C. Helpful Hints

The Coversheet should be completed in its entirety.

All areas of course proposal should be reviewed for completeness and inclusion of required information such as department/school name, course number, textbook pages, etc.

Errors which frequently cause a course to not be approved or to be tabled for future action are principally related to clarity and consistency between the Catalog Description, Learning Objectives, and Topic Syllabus. If inconsistent information is supplied and the Committee's College representative offers no clarification, the course may be tabled for action until clarification is available.

Conjoint Courses: The GCC will not act on requests for graduate credit for a conjoined 4000-5000G course until the 4000-level course is approved by the UCC, thus adding time to the approval process for the 5000G course. Submit the approved 4000-level course proposal with the proposal for the 5000G counterpart course.

Please do not hesitate to contact the Office of the University Registrar Academic Governance Staff (AcadGov@vt.edu) - we are standing by to help!