

A+CA

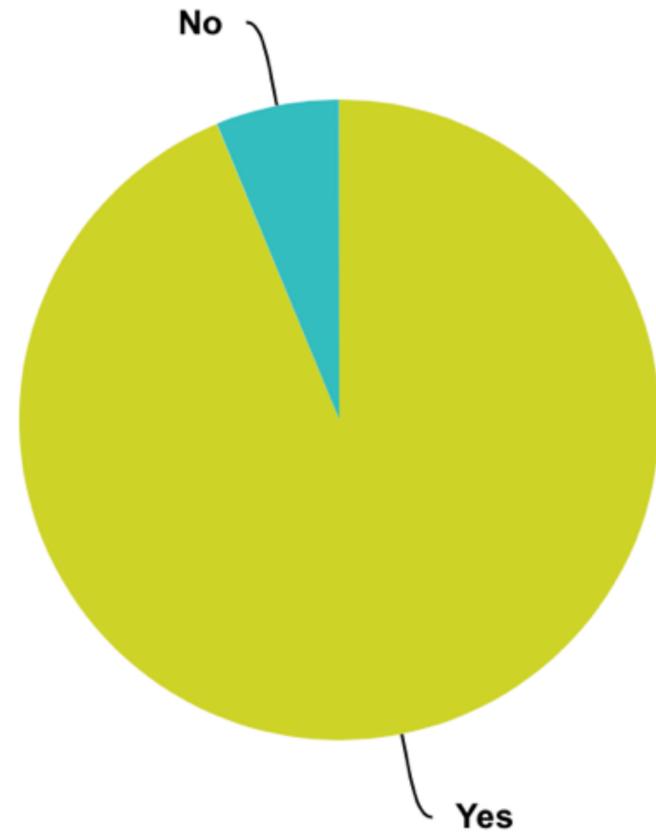
Architecture + Construction Alliance

Collaborative Experiences in Your College

Survey Results

Does your discipline have a stated desire to include interdisciplinary or collaborative experience(s) in any way?

Answered: 16 Skipped: 0



Answer Choices	Responses
▼ Yes	93.75% 15
▼ No	6.25% 1
Total	16

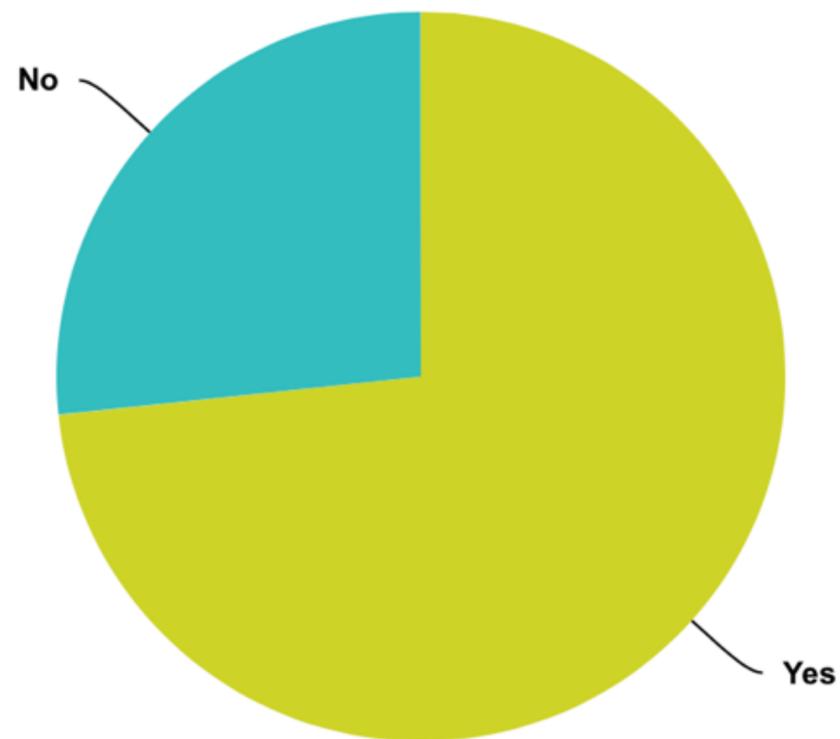
Q1 Comments

Does your discipline have a stated desire to include interdisciplinary or collaborative experience(s) in any way?

no comments

Does your department/unit have a stated goal to integrate interdisciplinary experiences “across the curriculum”? If so, describe strategy to do so.

Answered: 15 Skipped: 1



Answer Choices ▾	Responses ▾
▾ Yes	73.33% 11
▾ No	26.67% 4
Total	15

[Comments \(11\)](#)

Q2 Comments

Does your department/unit have a stated goal to integrate interdisciplinary experiences “across the curriculum”? If so, describe strategy to do so.

1/11/2017 5:39 PM

combined studio experiences between disciplines in design and in building construction to have architecture students on the capstone project teams.

1/9/2017 11:11 AM

The architecture and building construction science students take four lecture/lab course together, two in structures, one passive building systems, and one active building systems. These are to educate the students in interdisciplinary methods of work as well as exposing them to areas of subject matter that they will be working together on as professionals.

1/5/2017 2:26 PM

Have a required capstone course for each graduate program, also offer more service learning courses, and team up industry professionals with tenure track faculty from different disciplines.

1/5/2017 1:59 PM

Our accreditation body, the American Council for Construction Education requires us to demonstrate that graduates have met the following learning outcome: Apply construction management skills as a member of a multi-disciplinary team.

1/5/2017 11:21 AM

We teach four collaborative technical courses and two collaborative studios required by (core required by both disciplines)

1/5/2017 8:48 AM

integrated service learning. integrated capstone. integrated courses and cross-teaching.

1/5/2017 7:34 AM

Run classes at the same time working on the same project,

1/5/2017 7:11 AM

In the CSM freshmen year, first year students collaborate with first year students in architecture and landscape architecture in their introductory classes learning about each other's disciplines and working on a interdisciplinary project. Work is underway to develop an elective Design-Build course to be offered at the senior level. Finally a graduate certificate program (4 courses) has been developed and will begin to be offered in the spring of 2017. The design-build disciplines at Clemson will continue to seek other ways to collaborate as possible based on available resources and the ability to do so and still be able to fulfill the degree requirements for graduation in the respective disciplines.

12/15/2016 9:56 PM

We have started with classes. Some classes have both CM and ARCH students. In these classes we have team projects with both CM and ARCH students on each team. We have one joint collaborative project / studio.

12/15/2016 8:02 AM

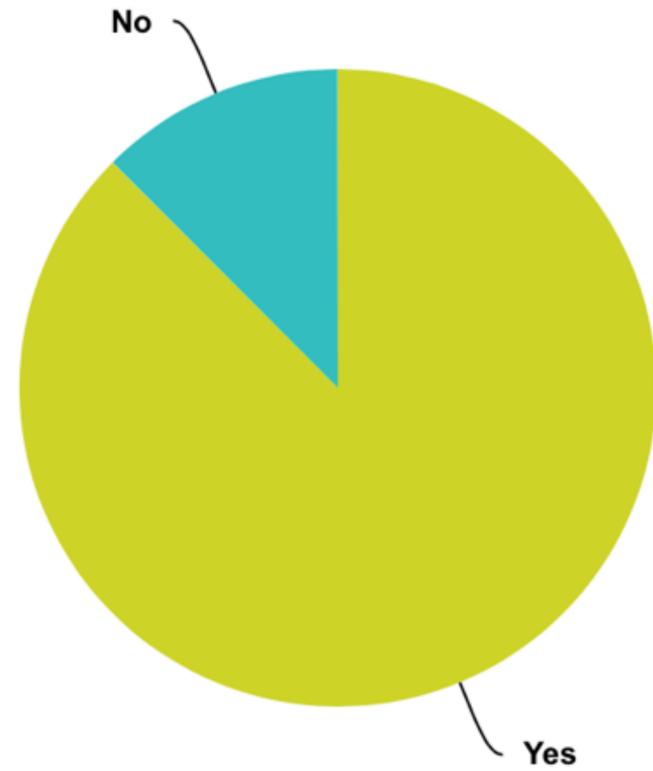
Through collaborative classes and studios.

12/14/2016 8:21 PM

Shared classes plus team projects

Does your department/unit have any stated goals to include specific interdisciplinary experiences in particular courses? If so, which courses?

Answered: 16 Skipped: 0



Answer Choices	Responses
Yes	87.50% 14
No	12.50% 2
Total	16

[Comments \(14\)](#)

Q3 Comments

Does your department/unit have any stated goals to include specific interdisciplinary experiences in particular courses? If so, which courses?

1/11/2017 5:39 PM

same as above - combined studio experiences between disciplines in design and in building construction to have architecture students on the capstone project teams.

1/10/2017 4:28 PM

The construction methods and materials course is required for both architecture and construction management students.

1/9/2017 11:11 AM

Architecture and Building Construction Science have two semesters of joint studios for all of the students in each discipline. These two studios are Collaborative Tectonic Studio in fall semester second year and Collaborative Studio in spring of third year.

1/5/2017 2:26 PM

Capstone courses, service learning courses, BIM courses.

1/5/2017 1:59 PM

In current curriculum BSCI 4600 Project Controls 3. In new curriculum BSCI 4610 Scheduling and Field Operations

1/5/2017 11:21 AM

Structures 1+2; Active Bldg Systems; Passive Bldg Systems

1/5/2017 8:48 AM

see #2 - integrated service learning. integrated capstone. integrated courses and cross-teaching.

1/5/2017 7:34 AM

MCM 612 Construction Project Management

1/5/2017 7:11 AM

See response to Item 2. In the CSM freshmen year, first year students collaborate with first year students in architecture and landscape architecture in their introductory classes learning about each other's disciplines and working on a interdisciplinary project. Work is underway to develop an elective Design-Build course to be offered at the senior level. Finally a graduate certificate program (4 courses) has been developed and will begin to be offered in the spring of 2017. The design-build disciplines at Clemson will continue to seek other ways to collaborate as possible based on available resources and the ability to do so and still be able to fulfill the degree requirements for graduation in the respective disciplines.

12/24/2016 10:51 PM

Arch 404: Integrated Design/Build Studio - Arch 498: Integrated AEC Seminar: Structures - Arch 498: Integrated AEC Seminar: Sustainability

12/19/2016 6:47 PM

Materials I, Materials II, Building Science I, Building Science II, Structures I, Structures II, Structures III, Delivery Systems, and Senior Capstone

12/15/2016 9:56 PM

Yes ARCH 321, CM 313, CM 426

12/15/2016 8:02 AM

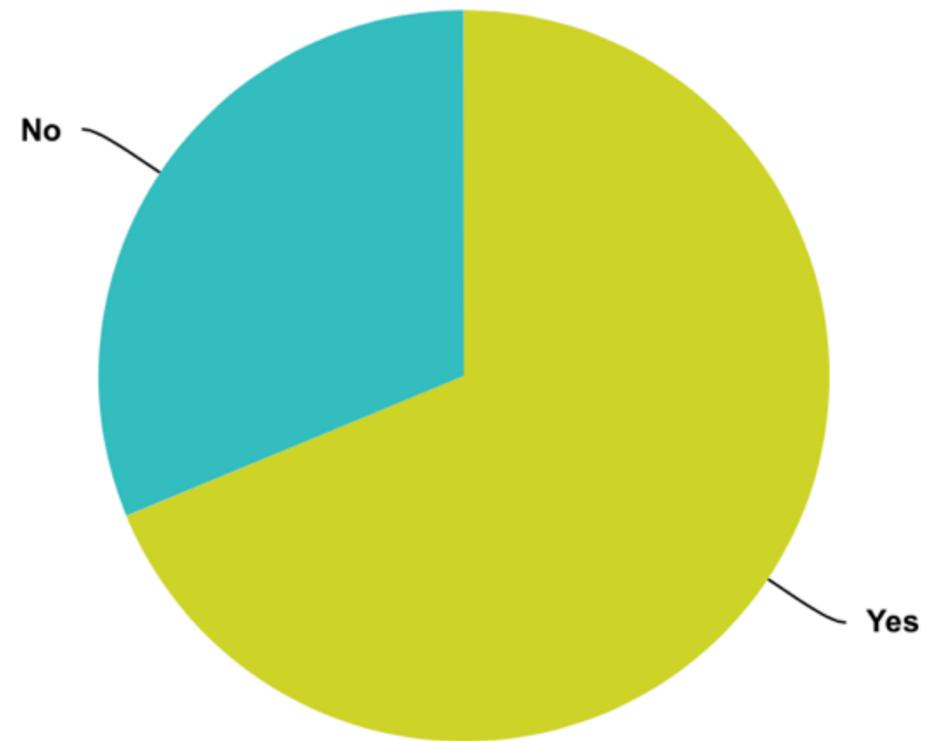
primarily design studios

12/14/2016 8:21 PM

Capstone Class

Do you have any courses in your curriculum that are also required of the other major? If so, what are the course titles?

Answered: 16 Skipped: 0



Answer Choices ▾	Responses ▾
▾ Yes	68.75% 11
▾ No	31.25% 5
Total	16

[Comments \(12\)](#)

Q4 Comments

Do you have any courses in your curriculum that are also required of the other major? If so, what are the course titles?

1/11/2017 5:39 PM

none that I can think of

1/10/2017 4:28 PM

Construction method and materials and two structures courses

1/9/2017 11:11 AM

Structures 1 and 2, Passive Building Systems, Active Building Systems, Collaborative Studio 1 and Collaborative Studio 2.

1/5/2017 2:26 PM

Mostly real estate development courses, which are required in architecture, city and regional planning and building construction.

1/5/2017 1:59 PM

In new curriculum BSCI 2400 Structures for Buildings 1; BSCI 3440 Structures for Buildings 2.

1/5/2017 11:21 AM

ARC 1013 Architecture Appreciation is a required service core course provided by the School of Architecture to BCS students

1/5/2017 8:48 AM

capstone and other courses required for both building construction and construction engineering.

12/24/2016 10:51 PM

Arch 320: Intro to Structures I - Arch 321: Intro to Structures II

12/19/2016 6:47 PM

Materials I, Materials II, Building Science I, and Building Science II

12/15/2016 9:56 PM

CM 313, ARCH 320, ARCH 321

12/15/2016 8:02 AM

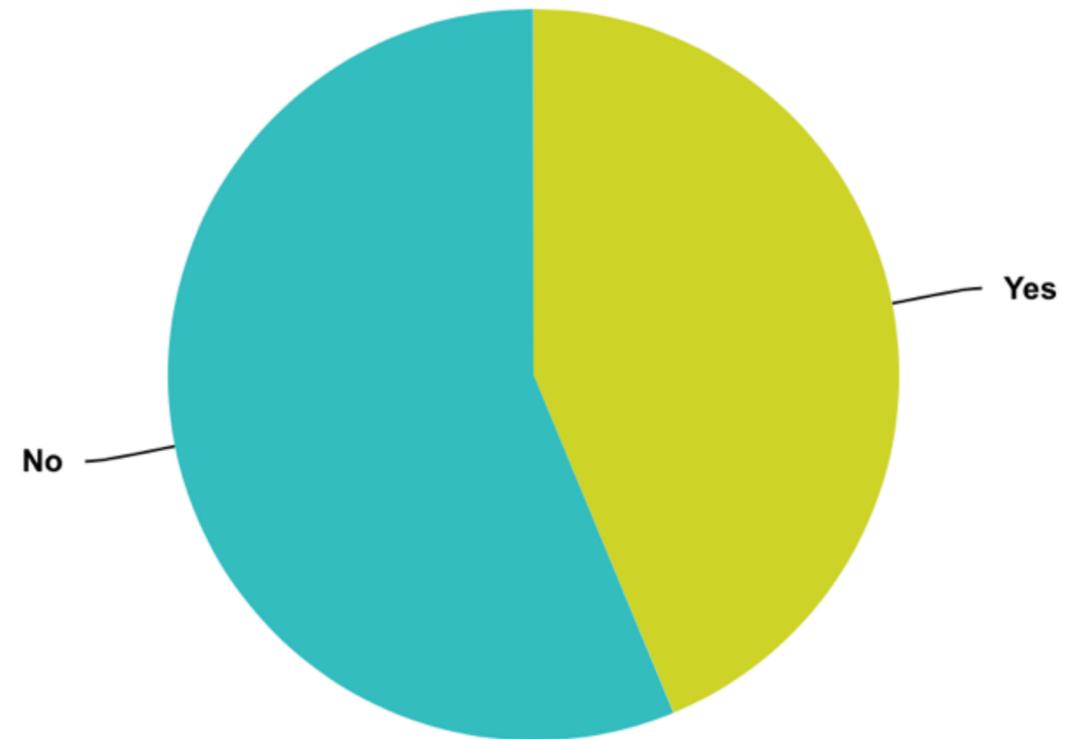
SDN-601 Principles of Sustainable Design, SDN-621/622 Collaborative Studio

12/14/2016 8:21 PM

Materials and Methods

Do you have any courses that you teach in your curriculum that are “service courses” for the other major? If so, what are the course titles?

Answered: 16 Skipped: 0



Answer Choices ▾	Responses ▾
▾ Yes	43.75% 7
▾ No	56.25% 9
Total	16

[Comments \(8\)](#)

Q5 Comments

Do you have any courses that you teach in your curriculum that are “service courses” for the other major? If so, what are the course titles?

1/9/2017 11:11 AM

Architectural Appreciation serves as a required Fine Arts core curriculum for building construction science students

1/5/2017 2:26 PM

They are elective courses for other majors, we do not have service courses at the graduate level,

1/5/2017 1:59 PM

In current curriculum BSCI 2400 Structures for Buildings; BSCI 3400 Structures II; BSCI 3450 Structures III

1/5/2017 11:21 AM

see above - ARC 1013 Architecture Appreciation is a required service core course provided by the School of Architecture to BCS students

1/5/2017 8:49 AM

Design thinking & History of Architecture

1/5/2017 8:48 AM

construction finance. construction safety.

12/19/2016 6:47 PM

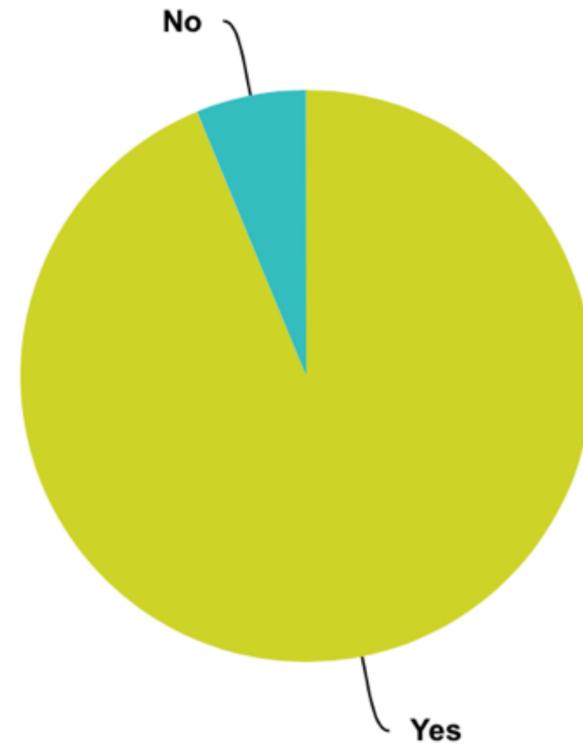
any/ all Construction Management electives

12/14/2016 8:21 PM

Materials and Methods

Do you have any courses that have a project based learning experience that requires groups to reach outside their discipline to gain interdisciplinary perspective? If so, describe the project.

Answered: 16 Skipped: 0



Answer Choices	Responses
▼ Yes	93.75% 15
▼ No	6.25% 1
Total	16

[Comments \(14\)](#)

Q6 Comments

Do you have any courses that have a project based learning experience that requires groups to reach outside their discipline to gain interdisciplinary perspective? If so, describe the project.

1/11/2017 5:39 PM

yes in building construction; the capstone projects

1/10/2017 4:28 PM

Preconstruction Techniques

1/9/2017 11:11 AM

Both of the Collaborative Studios involve semester long interdisciplinary projects and teams.

1/5/2017 2:26 PM

Capstone courses for different programs (Masters in Building Construction and Facility Management, Master in Real Estate Development/MRED, Professional Masters in Occupational Safety and Health/PMOSH, Undergraduate Certificate in Construction Management) have required capstone courses. Projects vary year to year, but in essence they resemble business constructs with perspectives from owner, developer, contractor, designer, operator, and with the various disciplines involved in the process.

1/5/2017 1:59 PM

Seniors from Building Science and Architecture programs are grouped as part of a multi-phased project that is collaborative between lecture and studio courses. In teams of 5 students, the first phase has students evaluating a subject project and analyzing its applicable codes and zoning in the area, height restrictions, setbacks, image and character, historic preservation requirements, and other items that could impact design decisions, schedule, and budget. Teams then produce an analysis of building conditions, constraints, precedent, and cost history in the area. E.g. - soil types and foundation impact, appropriate structural systems, skin materials common to the area (and how do they perform), sample conceptual cost figures based on appropriate units (e.g., \$/sf, \$/key, \$/bedroom, \$/parking space, etc.) In the next phase, as the architecture students have further developed potential design solutions, interdisciplinary teams then leverage conceptual estimating and scheduling techniques to advance the project through quantifiable metrics regarding systems, constructability, general conditions, and duration.

1/5/2017 11:21 AM

see above - ARC 1013 Architecture Appreciation is a required service core course provided by the School of Architecture to BCS students

1/5/2017 8:49 AM

We have project based learning experiences that may or may not be parts of courses of multiple courses that vary from year to year and may or may not be interdisciplinary

1/5/2017 8:48 AM

capstones and competitions bring in architecture students

1/5/2017 7:34 AM

Development of the Philadelphia Naval Yard

1/5/2017 7:11 AM

Architecture, Landscape Architecture and CSM first year students, in interdisciplinary teams, are assigned a small project in which they gain an understanding of each other's disciplines and the attributes that make for an effective collaborate effort.

12/24/2016 10:51 PM

Arch 404: Integrated Design/Build Studio - Arch 498: Integrated AEC Seminar: Structures - Arch 498: Integrated AEC Seminar: Sustainability

12/15/2016 9:56 PM

Provide design build and preconstruction services for a project

12/15/2016 8:02 AM

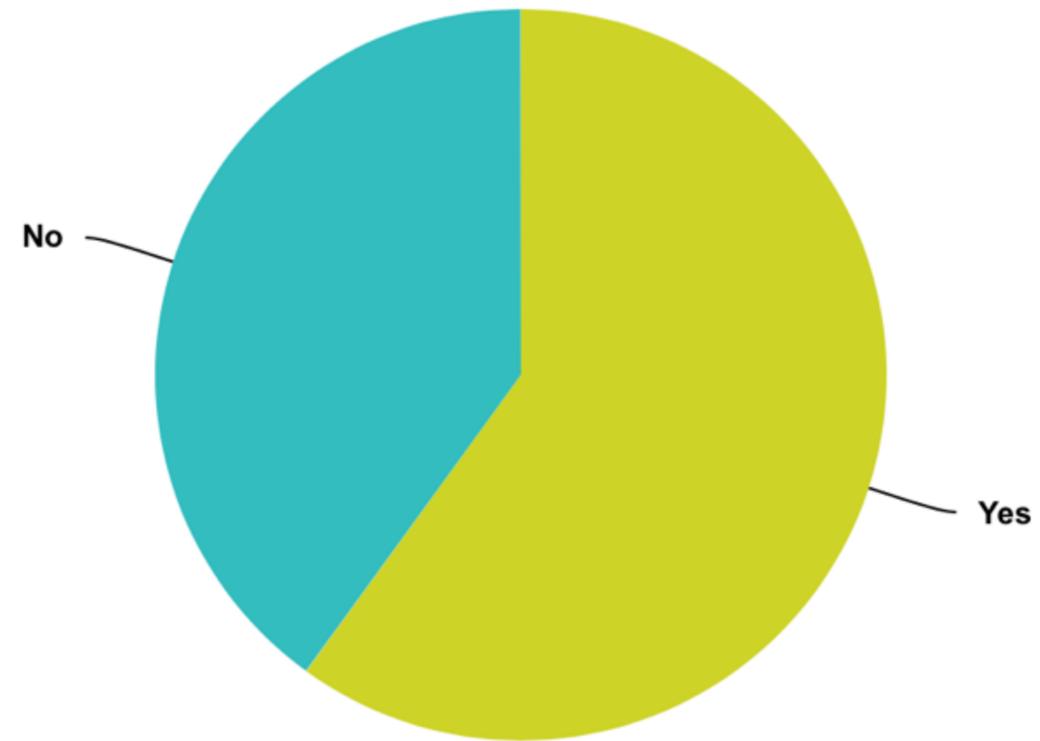
interdisciplinary design studio

12/14/2016 8:21 PM

Limited enrollment in a Capstone Class

Do you have any studio experiences that promote inclusion of collaboration of other disciplines on a “consulting” basis? If so, please describe.

Answered: 15 Skipped: 1



Answer Choices	Responses
▼ Yes	60.00% 9
▼ No	40.00% 6
Total	15

[Comments \(10\)](#)

Q7 Comments

Do you have any studio experiences that promote inclusion of collaboration of other disciplines on a “consulting” basis? If so, please describe.

1/11/2017 5:39 PM

yes in building construction; the capstone projects and in the School of Architecture + Design we have fluid movement between interiors, landscape and industrial design courses and faculty.

1/10/2017 4:28 PM

An architecture design/build studio with construction management consultants

1/9/2017 11:11 AM

Both Collaborative Studios

1/5/2017 11:21 AM

Two studios: ARC Des 2A and ARC Des 2B are both collaborative course taught jointly w/ Bldg Construction Science

1/5/2017 8:49 AM

This happens on a large-scale basis in third and fourth year studios

1/5/2017 8:48 AM

Architects brought in as consultants to capstone and competition. There is no reciprocal relationship. Architecture has not invited construction in.

12/24/2016 10:51 PM

Arch 404: Integrated Design/Build Studio

12/19/2016 6:47 PM

This is done via the Senior Capstone course with Architecture

12/15/2016 9:56 PM

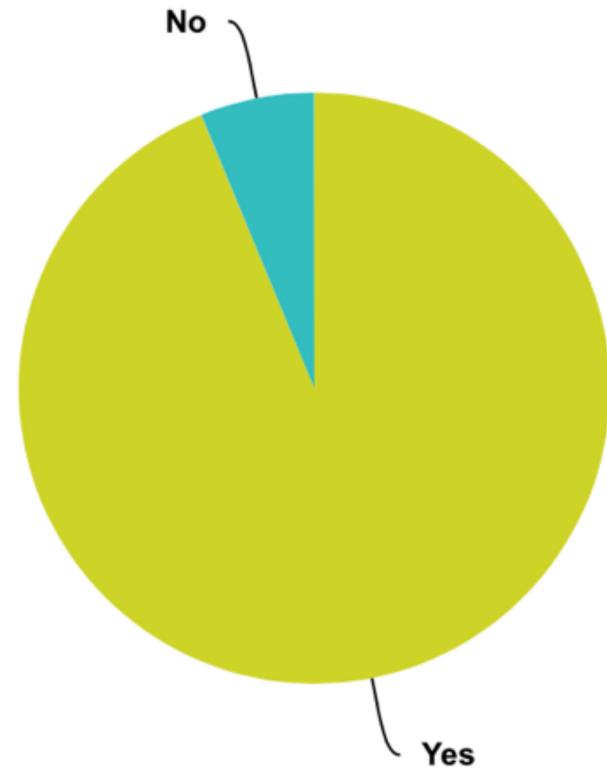
The CM 426 is studio based

12/15/2016 8:02 AM

Sustainable Design, Architecture and Interior Architecture design studio

Do you feel the Dean's office supports the concept of interdisciplinary studies within your college? Describe opportunities met or yet to be met.

Answered: 16 Skipped: 0



Answer Choices	Responses
Yes	93.75% 15
No	6.25% 1
Total	16

[Comments \(12\)](#)

Q8 Comments

Do you feel the Dean's office supports the concept of interdisciplinary studies within your college? Describe opportunities met or yet to be met.

1/11/2017 5:39 PM

this is a dean writing so I hope so

1/10/2017 4:28 PM

The dean provides buyout funds for faculty who agree to teach interdisciplinary studios.

1/9/2017 11:11 AM

Dean's Office has strongly encouraged and supported financially the development of the collaborative curriculums including subsequent post course evaluations and refinements over a three year period.

1/5/2017 2:26 PM

Creation of new interdisciplinary degrees (MRED, PMOSH), joint appointments, collaboration on research projects.

1/5/2017 11:21 AM

The Building Construction Science program was recently created within the college with full intention of collaboration with the School of Architecture. The implementation was guided by the Dean's Office with faculty support from within Architecture and the newly hired construction faculty

1/5/2017 8:49 AM

It is supported as all things are supported by the administration - talked about - not funded

1/5/2017 8:48 AM

In word, but not deed. collegiality but not collaboration.

1/5/2017 7:11 AM

While the Dean's Office does support interdisciplinary studies throughout the college, limited resources, individual program requirements for graduation, class scheduling times and class room availability are all challenges for enhancing collaboration.

12/24/2016 10:51 PM

Dual Degree Architecture/Construction Management for undergraduates (existing) - Built environment interdisciplinary studios (new initiative)

12/15/2016 9:56 PM

Supported with funding

12/15/2016 8:02 AM

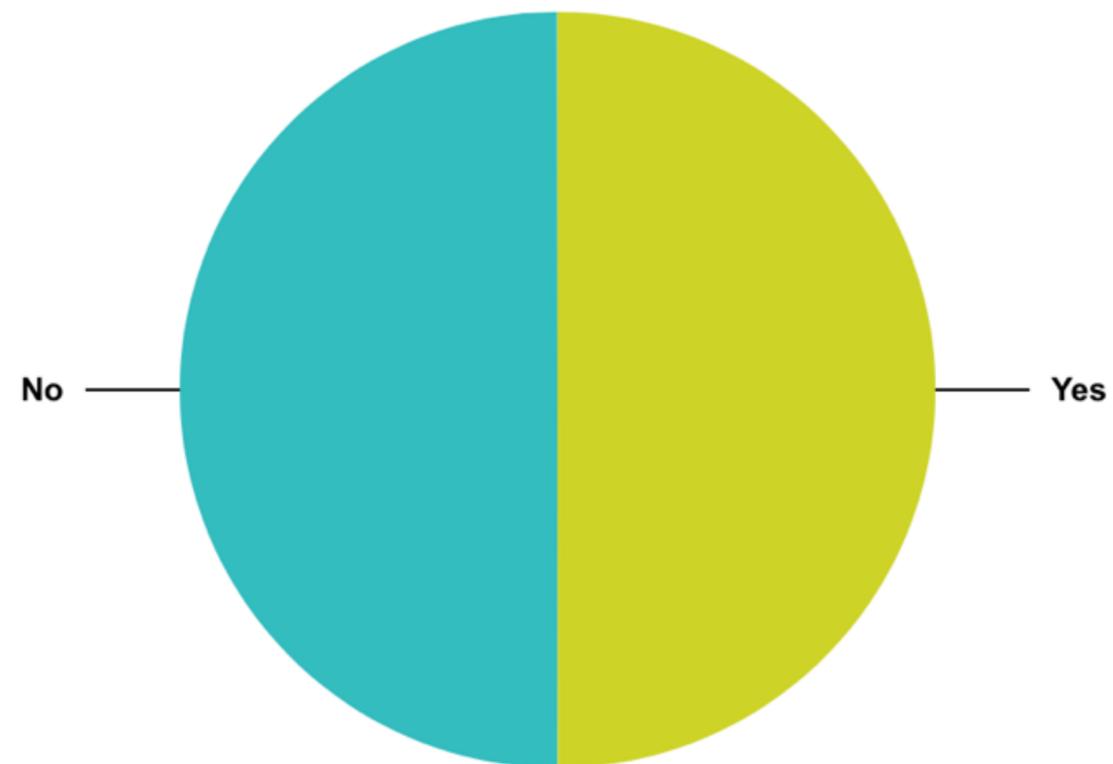
coordination of courses and schedules across disciplines

12/14/2016 8:21 PM

Supported the creation of interdisciplinary courses

Do any interdisciplinary opportunities include the disciplines within College of Engineering? If so, please list which.

Answered: 16 Skipped: 0



Answer Choices	Responses
▼ Yes	50.00% 8
▼ No	50.00% 8
Total	16

[Comments \(9\)](#)

Q9 Comments

Do any interdisciplinary opportunities include the disciplines within College of Engineering? If so, please list which.

1/11/2017 5:39 PM

yes, many courses between building construction and construction engineering management.

1/9/2017 11:11 AM

Building construction students take required surveying course in engineering

1/5/2017 2:26 PM

Courtesy and joint appointments between BC and CEE. BC faculty teaching CEE courses, cross-listing BC and CEE courses.

1/5/2017 11:21 AM

Not at this time. It is being considered in the future.

1/5/2017 8:49 AM

Only in research project based groups like a solar decathlon

1/5/2017 8:48 AM

CEM, CE, IE, ME

12/19/2016 6:47 PM

Civil Engineering & Construction Engineering

12/15/2016 8:02 AM

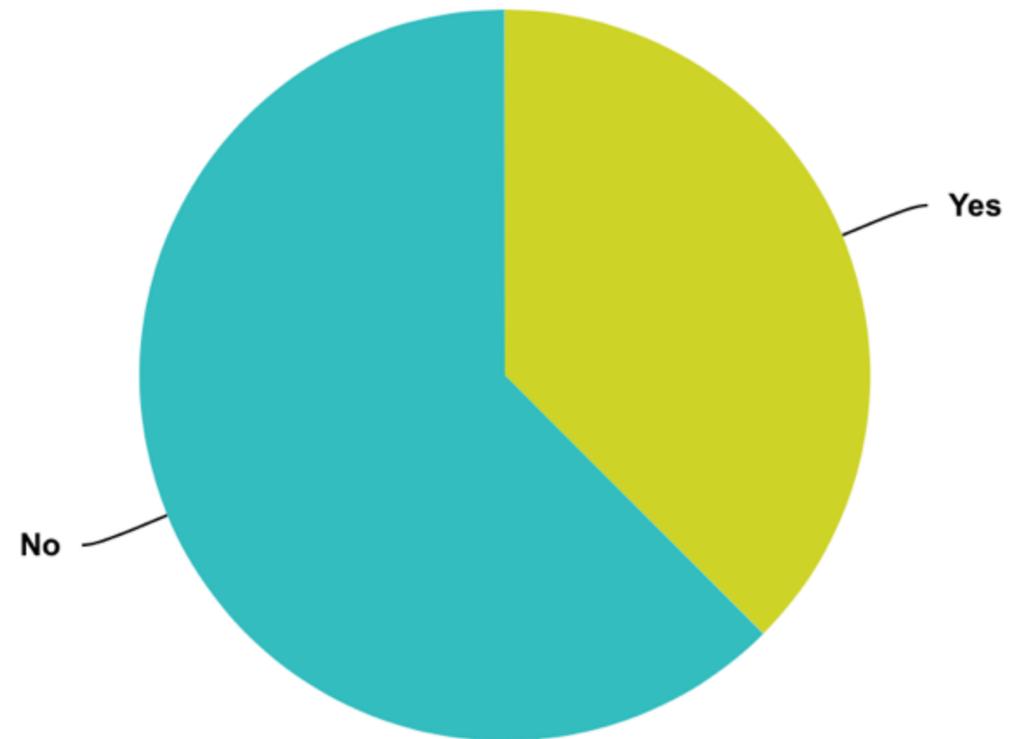
Textile Engineering

12/14/2016 8:21 PM

In the Study Abroad program only

Does your college offer any incentives to faculty for initiating any collaborative experiences within existing courses? If so, describe incentives.

Answered: 16 Skipped: 0



Answer Choices ▾	Responses ▾
▾ Yes	37.50% 6
▾ No	62.50% 10
Total	16

[Comments \(7\)](#)

Q10 Comments

Does your college offer any incentives to faculty for initiating any collaborative experiences within existing courses? If so, describe incentives.

1/11/2017 5:39 PM

only through promotion and tenure process.

1/9/2017 11:11 AM

The Dean's Office has provided funding for the development of collaborative initiatives at both the undergraduate and the graduate level

1/5/2017 2:26 PM

Positive feedback on annual evaluations, graduate assistantships.

1/5/2017 11:21 AM

Summer funding for research and development of the studio courses; additional college funds are available to support the studio projects in collaborative courses.

1/5/2017 8:48 AM

University, not college is attempting this.

12/15/2016 9:56 PM

Some funding opportunities are available to try interdisciplinary courses

12/15/2016 8:02 AM

Nexus Learning Grants for projects

projects developed resources collaborate
development **students** learning
structures requirements
elective core **interdisciplinary** **building**
materials provided bldg design-build design bsci other's
dean's disciplines teams active engineering
capstone collaboration joint
bc ii area **studios** systems office passive arc
first degree design/build working certificate offered
class school each
architecture program all bcs
aec methods landscape **project**
spring arch **course** seminar about two
service level both buildings classes science
research see **studio** required csm college
funding faculty **year** cm graduation senior based
other available
courses **construction** work
scheduling **integrated** supported **collaborative**
graduate management curriculum