

## **FACILITIES PLANNING AND DESIGN**

01:955:312, Section 01, 1.5 Credits

Semester: Fall 2022

Department of Kinesiology and Health,

Rutgers University

### **Course information**

Pre/co-requisites: none

In-person – Tuesdays and Thursdays, 7:30pm to 8:50pm, [LSH-B112](#) (that's the dreaded Lucy Stone Hall on Livingston Campus. It's a confusing building, but recently, Rutgers has stationed people in the courtyard the first week of classes to help you find your classrooms)

### **Instructor information**

Instructor: Joseph Schilp

Email: [schilpj@kines.rutgers.edu](mailto:schilpj@kines.rutgers.edu)

Office hours: Any time, I encourage you to reach out.

Office hours: As I do not have an office, I can schedule an in-person session in any public space, generally the Livie Student Center or Henry's Diner. Any online office hours will be on Zoom. I encourage you to reach and schedule a time at your convenience.

Canvas email & announcements will be used for all information/communication related to this course.

### **Required Course Materials**

- Textbook: **None**
- Additional required readings will be posted as PDF files and Power Point slide decks will also be posted on Canvas under the course module

### **Course Description**

Basic study of facilities planning, design, financing, safety, and maintenance issues important in the development of sport, recreation, and fitness indoor and outdoor facilities as well as physical and occupational therapy facilities.

### Course Learning Objectives

By the conclusion of this course, student-learners will:

1. Students will learn about the history of sports and fitness facility design.
2. Students will learn about ADA standards and requirements for facility design.
3. Students will demonstrate their knowledge of safety standards in facility operation through a facility evaluation.
4. Students will demonstrate their knowledge of facility planning by designing a facility of their choice for use in the sports and/or rehabilitation industry.

### Grading Policy

- This class uses a points-based system to calculate grades. The description of each assignment includes how many points it is worth. The total numbers points for this class are 100 points. Assignments are due by 11:59 PM on the due dates listed below unless otherwise noted.
- Assignments turned in late will receive 0 points unless the student communicates with the instructor BEFORE the due date and receives written approval of an extension.
- Concerns about a graded assignment must be brought to the instructor within seven days of receiving the Assignment grades are finalized after this seven day period.
- Grades on Canvas will be updated regularly; if you notice any discrepancies or have questions, please do not wait until the end of the semester – let your instructor know right

Letter Grade	Percent	Points Needed
A	90-100	89.5
B+	87-89.9	86.5
B	80-86	79.5
C+	77-79.9	76.5
C	70-76.9	69.5

D	60-69.9	59.5
F	0-59.9	

## Assignments

Evaluation will be based on the above criteria, according to the following point distribution:

10% – Facility Assessment.

40% – Exam.

50% – Oral Presentation and paper

### *Facility Assessment (10 points/quiz)*

Students are to take pictures and supply measurements at any sports or exercise facility to assess safety standards. You may go to one of the recreation centers, ball fields or gyms, whatever interests you most. For the project, you are to present the class with a photo, measurements and whether that measurement, meets standards, exceeds standards or does not meet standards. Students must be prepared to give a 5-minute presentation in class. The photo and info may be submitted in class at the time of presentation or electronically via e-mail on the date of presentations.

### *Exam (40 points)*

Final Exam based on the video lectures and slide decks and will have multiple choice and true/false questions as well as an essay. You will have 60 minutes to take the exam.

### *Final Project (50 points)*

Students will work in teams of three. This project will give each team an opportunity to research a specific area of facility design and report your findings to the class. Teams may choose from the following types of facilities:

- Strength and Cardiovascular training facilities
- Indoor/outdoor courts
- Field spaces and bleachers
- Track and field/cross country facilities
- Parks and playground areas
- Campus recreation sport centers
- Skate parks
- Winter sport areas (ski, skate)

- Martial arts facilities
- College and pro stadiums and arenas
- Healthcare and/or rehabilitation facility/clinic

Teams will select a specific venue and summarize key concepts, terminology and considerations for facility design. You are encouraged to obtain support materials to expand on your topic findings. References should be cited in each team’s paper. Each team will present their project to the class. Each presentation is to be 10-12 minutes in length and include some type of visual presentation (Power Point, Prezzi, etc.). All papers are due electronically by 11:59pm on the night of the last class, October 20, 2022. This project will account for 50% of your grade.

### Summary of Assignments with Due Dates

Assignment	Due Date	Points	Percent of Grade
Facility Assessment	10/4 - 10/6	10	10
Final presentations	10/13 - 10/18	50	50
Final Exam	10/20	40	40
Total		100	100.00%

### Course Policies and Procedures

#### Academic Integrity

Students are responsible for becoming familiar with the definitions, procedures and sanctions outlined in Rutgers University Academic Integrity Policy before submitting any assignment or exam. The policy can be found at: [\(Links to an external site.\)http://nbacademicintegrity.rutgers.edu/](http://nbacademicintegrity.rutgers.edu/).

All students should conduct themselves with the highest standards of academic honesty. Examples of academic dishonesty include: copying others’ written work, not citing sources, and submitting the same assignments/papers multiple times in different courses. All incidences of questionable academic integrity are a serious matter and may result in a no grade (0.0) for the assignment or course. Academic dishonesty will not be tolerated and will be treated in accordance with Rutgers University Academic Integrity Policy.

#### **Student Responsibilities:**

#### **General Information and Requirements:**

Each student is responsible for attending lectures, class presentations, taking the final exam, a final group presentation and paper, and joining the class discussion.

### **Attendance:**

Students are expected to attend all in-person classes; if you expect to miss a class, please use the University absence reporting website <http://sims.rutgers.edu/ssra> to indicate the date and reason for your absence. An e-mail is then automatically sent to me. Student athletes are obviously excused for game/travel dates if they submit proper notification via the Athletic department. Students who are ill are also granted an excused absence. All absent students can view the online lectures I created during the pandemic shut-down so as not to miss any course material and, in the event of extended illness lasting more than one class, can catch-up and make-up work as needed without penalty. So if you're sick, stay home!

### **Devices:**

The use of cell phones during the class is strictly prohibited, though you are welcome to have someone record your in-class presentations on your phone so you may review your presentation after class. You are encouraged to take notes on your laptop or tablet as lesson PowerPoint slides are posted on Canvas.

### **Extra Credit:**

There are absolutely no opportunities for extra credit.

### Expectations

- Engage with all online class material, should we be forced to go remote at any time during the semester
- Complete all assigned readings and assignments
- Actively participate in all class activities, including online if necessary
- Follow the honor code when completing all quizzes, and exams
- Ask questions to enhance understanding of the material
- Communicate with the instructor if you have questions pertaining to the material or the course
- Check your email and Canvas announcements regularly to stay informed about class updates

### Email Etiquette

When emailing your instructor, please use your Rutgers e-mail address and identify yourself by full name and course number. Students are expected to place the course number, followed by the subject, in the subject line, use appropriate e-mail etiquette, and maintain reasonable expectations for instructor responses. The instructor will respond to student emails within 1-2 business days.

## Plagiarism

By enrolling in this course, you are indicating implicitly that you have read, understood, and accepted Rutgers University's policies and procedures regarding academic integrity and dishonesty. Plagiarism and cheating will not be tolerated and all University policies apply. Specifically, if plagiarism or cheating is suspected, the student(s) will be asked to meet with the instructor. If the instructor concludes that an instance of plagiarism or cheating has occurred, the student(s) will be subject to an appropriate sanction or penalty outlined in Rutgers University Academic Integrity Policy.

*Please note that plagiarism is using the ideas or writings of another as one's own. It varies in degree and severity. The most severe is the use of another's entire paper word-for-word. Less severe is the use of another's sentence, paragraph, or ideas without giving credit to that individual (i.e., without providing a reference).*

## Make-up Policy

No make-ups or extensions will be offered for missed assignments except in one of the following situations, provided that the instructor is notified in advance:

- Athletic or other Rutgers sponsored trips: Travel dates and times accompanied by a signed memo from the group's advisor/coach must be presented to the instructor prior to travel
- Religious holidays/observances
- Extenuating circumstances: This includes (but is not limited to) family emergencies, severe illnesses, accidents, It will be up to the prerogative of the instructor whether or not the student will be allowed to take the make-up or receive an extension.

## Diversity & Inclusion

The Department of Kinesiology and Health supports an inclusive learning environment wherein diversity and authenticity are valued. We are committed to creating a culture of equality that respects the diverse voices of our students, faculty and staff. We will continuously strive to create a curriculum and academic environment to reflect the community we serve, and drive innovation, social responsibility and excellence. Our diversity in thought, skill, and academic discipline is a resource and strength, which stands to benefit the whole and positively contribute to University and global reach.

## **Rutgers University Student-Wellness Services**

Report a Bias Incident If you experience or witness an act of bias or hate, report it to someone in authority. You may file a report online and you will be contacted within 24 hours. The bias reporting page is <https://studentaffairs.rutgers.edu/bias-incident-reporting>

Bias is defined by the University as an act, verbal, written, physical, psychological, that threatens, or harms a person or group on the basis of race, religion, color, sex, age, sexual orientation, gender identity or expression, national origin, ancestry, disability, marital status, civil union status, domestic partnership status, atypical heredity or cellular blood trait, military service or veteran status.

### **Counseling, ADAP & Psychiatric Services (CAPS)**

(848) 932-7884 / 17 Senior Street, New Brunswick, NJ 08901 / <http://health.rutgers.edu/medical-counselingservices/counseling/>

CAPS is a University mental health support service that includes counseling, alcohol and other drug assistance, and psychiatric services staffed by a team of professionals within Rutgers Health services to support students' efforts to succeed at Rutgers University. CAPS offers a variety of services that include: individual therapy, group therapy and workshops, crisis intervention, referral to specialists in the community, and consultation and collaboration with campus partners.

Crisis Intervention : <http://health.rutgers.edu/medical-counseling-services/counseling/crisis-intervention/>

Report a Concern: <http://health.rutgers.edu/do-something-to-help/>

### **Violence Prevention & Victim Assistance (VPVA)**

(848) 932-1181 / 3 Bartlett Street, New Brunswick, NJ 08901 / [www.vpva.rutgers.edu/](http://www.vpva.rutgers.edu/)

The Office for Violence Prevention and Victim Assistance provides confidential crisis intervention, counseling and advocacy for victims of sexual and relationship violence and stalking to students, staff and faculty. To reach staff during office hours when the university is open or to reach an advocate after hours, call 848-932-1181.

### **Disability Services**

(848) 445-6800 / Lucy Stone Hall, Suite A145, Livingston Campus, 54 Joyce Kilmer Avenue, Piscataway, NJ 08854 / <https://ods.rutgers.edu/>

Rutgers University welcomes students with disabilities into all of the University's educational programs. In order to receive consideration for reasonable accommodations, a student with a disability must contact the appropriate disability services office at the campus where you are officially enrolled, participate in an intake interview, and provide documentation: <https://ods.rutgers.edu/students/documentation-guidelines>. If the documentation supports your request for reasonable accommodations, your campus's disability services office will provide you with a Letter of Accommodations. Please share this letter with your instructors and discuss the accommodations with them as early in your courses as possible. To begin this process, please complete the Registration form on the ODS web site at: <https://ods.rutgers.edu/students/registration-form>.

## COURSE OVERVIEW

WeekDay	Date	Topic	Media	Assignment Due
1	Tuesday 9/6	Course and Instructor introduction	PPt Slide Deck	
	Thursday 9/8	Facility Design and Considerations	PPt Slide Deck	
2	Tuesday 9/13	History of Facilities in Sport and Fitness	PPt Slide Deck	
	Thursday 9/15	History of Gymnasiums and Safety Guidelines	PPt Slide Deck	
	Tuesday 9/20	Facility Design and Considerations	PPt Slide Deck	
3	Thursday 9/22	Interior Design	PPt Slide Deck	
	Tuesday 9/27	Exterior Design	PPt Slide Deck	
4	Thursday 9/29	Possible tour or guest lecturer	PPt Slide Deck	
	Tuesday 10/4	Facility Assessments		
5	Thursday 10/6	Facility Assessments		Facility Assessment
	Tuesday 10/11	Major Sports Facilities – Super Bowl and PGA Championship	Video/PPt slides	Facility Assessment
6	Thursday 10/13	Final Presentations		



Tuesday 10/18 Final Presentations

Thursday 10/20 Final Exam

7