

# Ph.D. Qualifying Exam – Fall 2018

The Ph.D. Qualifying Exam (QE) is the first in the series of three Ph.D exams and is followed by the preliminary exam (dissertation proposal) and final exam (dissertation defense). The qualifying exam is offered once every semester. Students may request to take the qualifying exam by submitting a qualifying exam form (yellow form) with student information portions filled in to Prof. Eun Jeong Cha in 2207 Newmark. The form is available from Joan Christian in 1108 Newmark.

## Question areas

The SRM QE consists of in-class exams on three topics.

1. **Statistics & Probability.**

This topic is closely related to CEE 491.

2. **Two topics selected by the student.**

Each student has to choose two topics from a list of acceptable topics. The list is defined by the QE committee based on the student's educational background. The committee will determine the list of acceptable topics by considering the 400/500 level courses offered in the Department. The acceptable topics for educational backgrounds in Structural Engineering and Construction Management are as below. Additional lists for other educational backgrounds will be developed in the future as needed.

- a. **Structural Engineering:** structural analysis (CEE470), structural mechanics (CEE471), structural dynamics (CEE472), reinforced concrete design (CEE461 and CEE463), and steel design (CEE460 and CEE462).
- b. **Construction Management:** construction productivity (CEE420), construction planning (CEE421), construction cost analysis (CEE422), sustainable construction methods (CEE424), and construction equipment and methods (CEE498CEM).

## Important dates

The QE for Fall 2018 will be scheduled October 13. Detailed timeline of the exam administration is below.

Action	Time
Deadline for submitting QE form (together with student specific-topics preference)	September 21, Friday
In-class exams	October 13, Saturday