



447.327

Theory of Reinforced Concrete and Lab. I  
Spring 2008



# Syllabus

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## TIME & PLACE

Tue	10:30 ~ 11:45	38-323
Thu	10:30 ~ 11:45	38-323

## INSTRUCTOR

Jae-Yeol Cho (조재열)

**Office:** Rm 417, Bld 38

**Phone:** 02) 880-1522

**Email:** jycho@snu.ac.kr

**Website:** <http://concrete.snu.ac.kr>



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## OFFICE HRS.

TTh 13:30 ~ 14:30, other days by appointment

## T.A.

Bong-Sik Park (박봉식)

**Office:** Rm 309, Bld 32

**Phone:** 010) 6217-4268

**Email:** sonmal0@snu.ac.kr



# Syllabus

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## COURSE OBJECTIVES

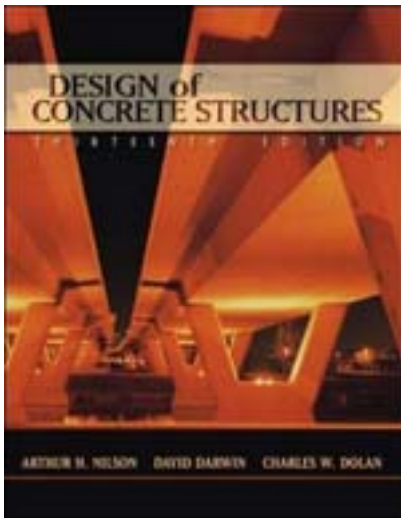
To provide a **basic understanding** of the behavior of **reinforced concrete members** and become familiar with **Korea's Codes & Specs.**



# Syllabus

## TEXTBOOK

### *Required:*



Design of Concrete Structures,  
13th Edition., McGraw-Hill, 2004

*by* Arthur Nilson, David Darwin,  
and Charles Dolan

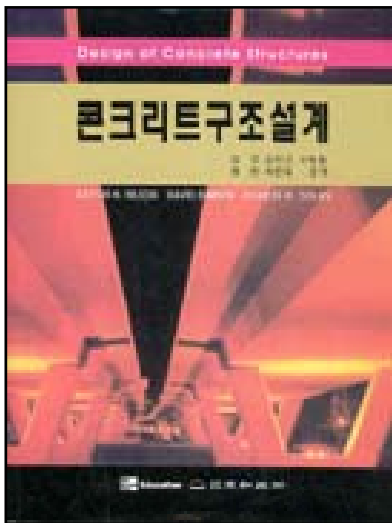
34,000 Won - SNU, Kyobo, Youngpoong, etc.



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## TEXTBOOK

*Not Required:*



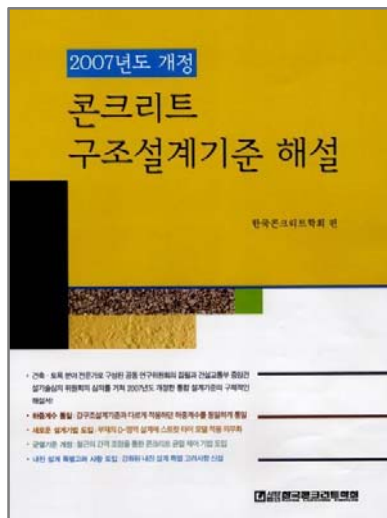
Design of Concrete Structures,  
13th Edition., **동화기술**, 2005

*by* Arthur Nilson, David Darwin,  
and Charles Dolan



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## REFERENCE



**콘크리트구조설계기준,  
한국콘크리트학회, 기문당, 2007**

**38,000 Won** - Kyobo, Youngpoong, etc.



# Syllabus

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## COURSE OUTLINES

1. Introduction
2. Materials
3. Flexural Analysis and Design of Beams
4. Shear & Diagonal Tension in Beams
5. Bond, Anchorage, and Development Length
6. Serviceability





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## GRADING

Homework (approx. 7) = 20%

Midterm exam = 40%  
(closed books)

Final exam = 40%  
(comprehensive & closed)

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*Total* = 100%



# Syllabus

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## **HOMEWORK POLICY**

Homework is due one week after it is assigned. Late homework will have a penalty of 20% of a total points.

## **ETIQUETTE**

- Attendance
- Cellular phone
- Cap, Eating, Drinking, Napping, Chatting, etc.



# Syllabus

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## QUESTIONNAIRE

Just wondering who *you* are.