

AMERICAN CONCRETE INSTITUTE

NORHEAST TEXAS CHAPTER

BASIC CONCRETE TECHNOLOGY.



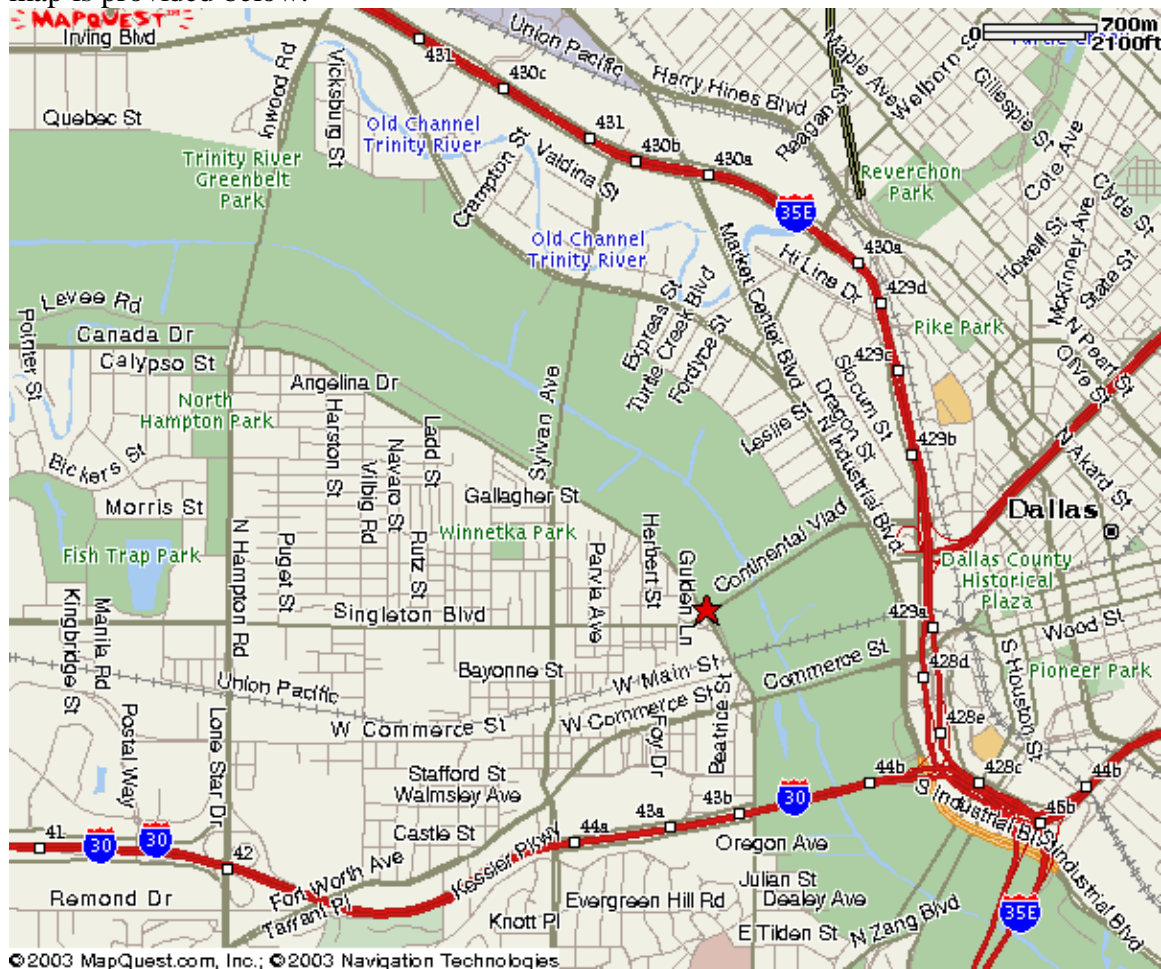
The sessions for this course are as outlined below:

Date	Title	Description	Instructor
1-13-04	Cement Production and Chemistry	Manufacture and production of cement. ASTM classification and chemical differences. Basic cement chemistry and interactions.	Stuart Prior
1-15-04	Pozzolanic Materials	Pozzolans in concrete including flyash, blast furnace slag, silica fume and others.	Gene Marter
1-20-04	Aggregates	Production, classification, and other properties of both coarse and fine aggregates.	Vartan Babakhanian
1-22-04	Chemical Admixtures	Classification, application and use of chemical admixtures. Chemical interactions in the hydration process will be discussed.	Lew Cook
1-27-04 1-29-04	Concrete Mix Designs	2 classes on proportioning concrete mix designs. Selection of materials will be discussed.	Victor Villreal
2-3-04	Concrete Mix Design	Class will be spent in the laboratory making and testing an actual concrete mix design. Field and laboratory test methods will be demonstrated	Tim Kaiser
2-5-04	Concrete Production and Quality Control	Discussion of production, testing and evaluation of quality concrete. ASTM and ACI standards on production and evaluation will be discussed.	Gary Herron
2-10-04	Concrete at Jobsite	Jobsite preparation, placement techniques, finishing methods, and curing essentials. Testing laboratory and field quality control issues will be discussed.	Steve Kaufman
2-12-04	Hot/Cold Weather Concrete	Issues of placing concrete in both hot and cold weather environments. Hardened concrete problems, causes and assessment will be addressed.	Lyndon Cox
2-17-04 2-19-04	Break	No Classes will be held these nights, as the instructors will be attending the World of Concrete	Your spouse and family
2-24-03	Concrete Problem Solving	Approaching concrete problem solving for both fresh and hardened concrete. Numerous case studies will be presented for discussion.	Rich Szchey
2-26-04	Concrete Remediation	1 session presenting concrete restoration, toppings, grout, and other remediation techniques	Bill Light
3-3-04	Future of Concrete	Cutting edge and developing technologies that will impact the concrete industry.	Rich Szchey
3-7-04	Final Exam	Evaluation of knowledge gained from class	Mike Marlar

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The basic text for the course will be the Portland Cement Association's "Design and Control of Concrete Mixtures, 14th edition, and will be provided the first night of the class. Instructors will provide handouts pertaining to their individual topics. A three ring binder will also be provided for the purpose of compiling these handouts. Please bring note pads and pen to each class. You will also need a calculator for the "Concrete Mix Design" class in the laboratory.

The individual classes are allocated for three hours. Classes will meet on Tuesday and Thursday nights beginning at 6:30 pm. Classes will be held at the Southern Star downtown facility, 240 Singleton Blvd., Dallas Texas. (Dallas Mapsco 44Q) Mapquest map is provided below.



Please contact me at 972-772-6010 (office) or 214-418-8865 (mobile) (fax 972-772-0980) (email- MikeMarlar@comcast.net) if you have any questions or desire further information.