

SYLLABUS
The Ancient Engineers- How did they do it?

Spring Term 2016

Facilitator: Charlie Holt, Phone: 303 408-5055, Email: choltks@me.com

This is a fascinating topic with much to cover in the time available. The syllabus below suggests the topics we will address. However, as the class interest develops, we may switch emphasis within the total of 24 lectures available in the The Great Courses DVD **Understanding Greek and Roman Technology: From Catapult to the Pantheon**. Selected reading material will be provided as appropriate to the weekly topics.

DATE	DVD LECTURE TITLE
March 29	1-Technology in the Classical world 2- The Substance of Technology- Materials
April 5	3- From Quarry to Temple- Building in Stone 4- Stone Masonry Perfected -The Greek temple
April 12	5- From Temple to Basilica- Timber Roof Systems 6- Construction Revolution- Arches and Concrete
April 19	7- Construction in Transition- The Colosseum 8- The Genesis of a New Imperial Architecture
April 26	9- The Most Celebrated Edifice- The Pantheon 11- Connecting The Empire- Roads and Bridges
May 3*	12- From Source To City- Water Supply Systems 13- Engineering a Roman Aqueduct
May 10	14- Go With The Flow- Urban Water Distribution 15- Paradigm and Paragon- Imperial Roman Baths
May 17	10- The Rise of Urban Planning 24- The Modern Legacy of Ancient Technology

* This class may have to be rescheduled- options will be discussed in first class - March 29th.