

**HSAR 252 - Roman Architecture with Professor Diana E. E. Kleiner**  
**Lecture 3 – Technology and Revolution in Roman Architecture**

1. Title page with course logo.
2. Temple of Portunus, Rome, general view. Image Credit: Diana E. E. Kleiner.
3. Text.
4. La Montagnola Tomb, Quinto Fiorentino, interior with stone dome.  
Reproduced from *The Etruscans* by Maya Sprenger (1977), pl. 45.

Pantheon, Rome, dome. Image Credit: Diana E. E. Kleiner.

5. Temple of Vesta, Tivoli, detail of cella and columns. Image Credit: Diana E. E. Kleiner.

Sanctuary of Fortuna Primigenia, Palestrina, detail of annular vault. Image Credit: Diana E. E. Kleiner.

6. Horrea Epagathiana, Ostia, detail of entrance. Image Credit: Diana E. E. Kleiner.
7. Porticus Aemilia, Rome, site plan.  
Reproduced from *Pictorial Dictionary of Ancient Rome II* by Ernest Nash (1962), fig. 985.

Porticus Aemilia, Rome, plan on Forma Urbis.

Reproduced from *The Architecture of the Roman Empire I* by William L. MacDonald (1965), fig. 2a.

Porticus Aemilia, Rome, remains. Reproduced from *Etruscan and Early Roman Architecture* by Axel Boëthius (1978), fig. 137.

8. Porticus Aemilia, Rome, model.  
Reproduced from *The Architecture of the Roman Empire I* by William L. MacDonald (1965), fig. 1a.

Porticus Aemilia, Rome, detail of model.

Reproduced from *The Architecture of the Roman Empire I* by William L. MacDonald (1965), fig. 1b.

Barrel vault, diagram. Reproduced from *The Architecture of the Roman Empire I* by William L. MacDonald (1965), p. 16.

9. Porticus Aemilia, Rome, cross-section of vaulting.

Reproduced from *The Architecture of the Roman Empire I* by William L. MacDonald (1965), fig. 2b.

10. Porticus Aemilia, Rome, restored view.

Reproduced from *A History of Roman Art* by Fred S. Kleiner (2007), fig. 1-17 (John Burge).

11. Porticus Aemilia, Rome, restored view. Credit: Yale University.

12. Map of Italy in Roman times. Credit: Yale University.

13. Market Hall, Ferentino, vaulted interior. Image Credit: J. Keith Doherty.

14. Market Hall, Ferentino, vaulted interior. Image Credit: J. Keith Doherty.

Markets of Trajan, Rome, great hall. Reproduced from *A History of Roman Art* by Fred S. Kleiner (2007), fig. 11-16.

15. Sanctuary of Jupiter Anxur, Terracina, view from the town. Image Credit: Diana E. E. Kleiner.

16. Sanctuary of Jupiter Anxur, Terracina, restored view. Credit: Yale University.

17. Sanctuary of Jupiter Anxur, Terracina, detail of podium. Image Credit: Diana E. E. Kleiner.

18. Sanctuary of Jupiter Anxur, Terracina, detail of lateral arches. Image Credit: Diana E. E. Kleiner.

19. Sanctuary of Jupiter Anxur, Terracina, restored view. Credit: Yale University.

20. Sanctuary of Jupiter Anxur, Terracina, cryptoporticus [online image]. Wikimedia Commons.  
<http://commons.wikimedia.org/wiki/File:TerracinaTempioGioveAnxur3.jpg> (Accessed January 20, 2009).
21. Sanctuary of Hercules, Tivoli, restored view.  
Reproduced from *A History of Roman Art* by Fred S. Kleiner (2007), fig. 1-17 (John Burge).
22. Sanctuary of Hercules, Tivoli, restored view. Credit: Yale University.
23. Sanctuary of Hercules, Tivoli, detail of arcades.  
Reproduced from *The Architecture of the Roman Empire I* by William L. MacDonald (1965), fig. 5.
24. Sanctuary of Hercules, Tivoli, restored view. Credit: Yale University.
25. Sanctuary of Hercules, Tivoli, cryptoporticus.
26. Roman Forum, with Tabularium, aerial view. Credit: Google Earth.
27. Tabularium, Rome, general view. Image Credit: Diana E. E. Kleiner.
28. Tabularium, Rome, passageway [online image]. Wikimedia Commons.  
[http://commons.wikimedia.org/wiki/File:010218\\_campidoglio\\_tabularium\\_01.JPG](http://commons.wikimedia.org/wiki/File:010218_campidoglio_tabularium_01.JPG) (Accessed January 20, 2009).
29. Theater of Marcellus, Rome, general view. Image Credit: Diana E. E. Kleiner.
30. Theater of Marcellus, Rome, aerial and 3D view. Credit: Google Earth.
31. Theater of Marcellus, Rome, restored view. Credit: Google Earth.
32. Theater of Marcellus, Rome, detail of arcades. Image Credit: Diana E. E. Kleiner.

33. Annular vault, diagram.  
Reproduced from *The Architecture of the Roman Empire I* by W.L. MacDonald (1965), p. 17.
- Theater of Marcellus, annular vault. Image Credit: Diana E. E. Kleiner.
34. Theater of Marcellus, Rome, restored view. Credit: Google Earth.
- Theater, Epidauros, general view. Image Credit: Diana E. E. Kleiner.
35. Victor Emmanuel Monument (Vittoriano), aerial view. Credit: Google Earth.
36. Sanctuary of Fortuna Primigenia, Palestrina, aerial view.  
Reproduced from *A History of Roman Art* by Fred S. Kleiner (2007), fig. 1-19.
37. Sanctuary of Fortuna Primigenia, Palestrina, aerial view. Credit: Google Earth.
38. Sanctuary of Fortuna Primigenia, Palestrina, restored view.  
Reproduced from *Etruscan and Early Roman Architecture* by Axel Boëthius (1978), fig. 158.
39. Sanctuary of Fortuna Primigenia, Palestrina, restored view. Credit: Yale University.
40. Sanctuary of Fortuna Primigenia, Palestrina, cross-section.  
Reproduced from *Etruscan and Early Roman Architecture* by Axel Boëthius (1978), pp. 172-173, fig. 162.
41. Sanctuary of Fortuna Primigenia, Palestrina, restored view.  
Reproduced from *A History of Roman Art* by Fred S. Kleiner (2007), fig. 120 (John Burge).
42. Sanctuary of Fortuna Primigenia, Palestrina, ramp. Image Credit: Diana E. E. Kleiner.
43. Sanctuary of Fortuna Primigenia, Palestrina, detail of capital. Image Credit: Diana E. E. Kleiner.

Sanctuary of Fortuna Primigenia, Palestrina, capitals.

44. Sanctuary of Fortuna Primigenia, Palestrina, section of ramp.
45. Sanctuary of Fortuna Primigenia, Palestrina, arcades. Image Credit: Diana E. E. Kleiner.
46. Sanctuary of Fortuna Primigenia, Palestrina, hemicycle. Image Credit: Diana E. E. Kleiner.
47. Sanctuary of Fortuna Primigenia, Palestrina, annular vault with coffers [online image]. Wikimedia Commons.  
[http://commons.wikimedia.org/wiki/File:Santuario\\_volta\\_cassettoni.JPG](http://commons.wikimedia.org/wiki/File:Santuario_volta_cassettoni.JPG) (Accessed January 20, 2009).
48. Sanctuary of Fortuna Primigenia, Palestrina, annular vault. Image Credit: Diana E. E. Kleiner.
49. Sanctuary of Fortuna Primigenia, Palestrina, *opus incertum*. Image Credit: Diana E. E. Kleiner.
50. Sanctuary of Fortuna Primigenia, Palestrina, stairway. Image Credit: Diana E. E. Kleiner.
51. Sanctuary of Fortuna Primigenia, Palestrina, Barberini Palace. Image Credit: Diana E. E. Kleiner.
52. Sanctuary of Fortuna Primigenia, Palestrina, “theater.” Image Credit: Diana E. E. Kleiner.
53. Sanctuary of Fortuna Primigenia, Palestrina, restored view. Credit: Yale University.