

THE HISTORY OF ARCHITECTURE

FROM PREHISTORIC TO MODERN TIMES



the sixth Album:
**THE ANCIENT ROMAN
ARCHITECTURE**



Albums of characteristic examples for the Educational course

by Dr. Konstantin I.Samoilov

Almaty, 2017

This series of albums generated for information purposes of the Educational course "The General History of Architecture": 2 credits / 30 hours of lectures.

Until the mid-19th century, examples are grouped by region. In this period, the phenomenon of a single world architectural process begins to manifest itself. Since the last third of the 19th century, examples have been grouped by decades.

Thirty albums illustrate the following topics:

- the 1st Album: EDUCATIONAL AND SCIENTIFIC-THEORETICAL SOURCES
- the 2nd Album: THE PREHISTORIC ERA'S ARCHITECTURE
- the 3rd Album: THE ANCIENT EGYPTIAN ARCHITECTURE
- the 4th Album: THE ANCIENT MESOPOTAMIAN ARCHITECTURE
- the 5th Album: THE ANCIENT GREEK ARCHITECTURE
- **the 6th Album: THE ANCIENT ROMAN ARCHITECTURE**
- the 7th Album: THE MEDIEVAL WEST EUROPEAN ARCHITECTURE
- the 8th Album: THE EUROPEAN RENAISSANCE'S ARCHITECTURE
- the 9th Album: THE MEDIEVAL MAGHREB'S, THE NEAR EASTERN AND THE CAUCASUS'S ARCHITECTURE
- the 10th Album: THE MEDIEVAL CENTRAL ASIAN ARCHITECTURE
- the 11th Album: THE MEDIEVAL CHINESE ARCHITECTURE
- the 12th Album: THE MEDIEVAL SOUTHEAST AND EAST ASIAN ARCHITECTURE
- the 13th Album: THE MEDIEVAL CENTRAL AMERICAN ARCHITECTURE
- the 14th Album: THE EASTERN EUROPE MIDDLE AGES AND NEW TIMES ARCHITECTURE
- the 15th Album: THE WESTERN EUROPEAN AND NORTH AMERICAN OF NEW TIMES ARCHITECTURE

- the 16th Album: THE WORLD'S ARCHITECTURE OF THE 1870's
- the 17th Album: THE WORLD'S ARCHITECTURE OF THE 1880's
- the 18th Album: THE WORLD'S ARCHITECTURE OF THE 1890's
- the 19th Album: THE WORLD'S ARCHITECTURE OF THE 1900's
- the 20th Album: THE WORLD'S ARCHITECTURE OF THE 1910's
- the 21st Album: THE WORLD'S ARCHITECTURE OF THE 1920's
- the 22nd Album: THE WORLD'S ARCHITECTURE OF THE 1930's
- the 23rd Album: THE WORLD'S ARCHITECTURE OF THE 1940's
- the 24th Album: THE WORLD'S ARCHITECTURE OF THE 1950's
- the 25th Album: THE WORLD'S ARCHITECTURE OF THE 1960's
- the 26th Album: THE WORLD'S ARCHITECTURE OF THE 1970's
- the 27th Album: THE WORLD'S ARCHITECTURE OF THE 1980's
- the 28th Album: THE WORLD'S ARCHITECTURE OF THE 1990's
- the 29th Album: THE WORLD'S ARCHITECTURE OF THE 2000's
- the 30th Album: THE WORLD'S ARCHITECTURE OF THE 2010's

Examples are distributed in chronological order of the construct completion.

Images sources are indicated directly near with illustrations on each page.

Architects and companies listed on the basis of aggregate data from different sources (for some objects from various sources indicate different authors). About some buildings listed authors in the available sources has not yet been found.

The Author expresses his gratitude to Internet resources – <https://www.google.com> ; <https://www.wikipedia.org> – which to provide the ability to collect an information.

The 6th Album's front cover:

The “Pont du Gard” (a part of the Nimes aqueduct: from a spring at Uzès to the Roman colony of Nemausus), Roman Gaul, 60

AD - [https://upload.wikimedia.org/wikipedia/commons/thumb/d/d8/Pont du Gard Oct 2007.jpg/1280px-Pont du Gard Oct 2007.jpg](https://upload.wikimedia.org/wikipedia/commons/thumb/d/d8/Pont_du_Gard_Oct_2007.jpg/1280px-Pont_du_Gard_Oct_2007.jpg)

The Colosseum / Flavian Amphitheatre, Forum Romanum, Rome, 80 AD - <http://www.crystalinks.com/colosseumaerialview.jpg>

The Pantheon temple, Rome, 126 AD (Arch. Emperor Hadrian as the Chief and Apollodorus of Damascus) -

[https://upload.wikimedia.org/wikipedia/commons/thumb/4/4e/Apollodorus of Damascus%2C Greek Architect and Engineer. Pic 01.jpg/800px-Apollodorus of Damascus%2C Greek Architect and Engineer. Pic 01.jpg](https://upload.wikimedia.org/wikipedia/commons/thumb/4/4e/Apollodorus_of_Damascus%2C_Greek_Architect_and_Engineer._Pic_01.jpg/800px-Apollodorus_of_Damascus%2C_Greek_Architect_and_Engineer._Pic_01.jpg)

The Triumphal Arch of Septimius Severus, Forum Romanum, Rome, 203 AD - <http://sights.seindal.dk/img/orig/7832.jpg>

Purpose of the 6th Lecture:

To study the basic features of the Roman Architecture in the Ancient period.

Tasks of the 6th Lecture:

- To consider characteristic examples of specifically organized spaces and buildings;
- To accentuate the features of construction depending on the availability of building materials;
- To emphasize the difference between cult and dwelling buildings.

Tasks for the self-research work:

1. Study the change in the nomenclature of buildings and structures during the evolution of the architecture of Ancient Rome
2. Analyze geometric parameters of main types of structures and buildings.

Questions for the self-preparation:

1. Accentuate the features of different architectural orders
2. The Architecture of Roman provinces

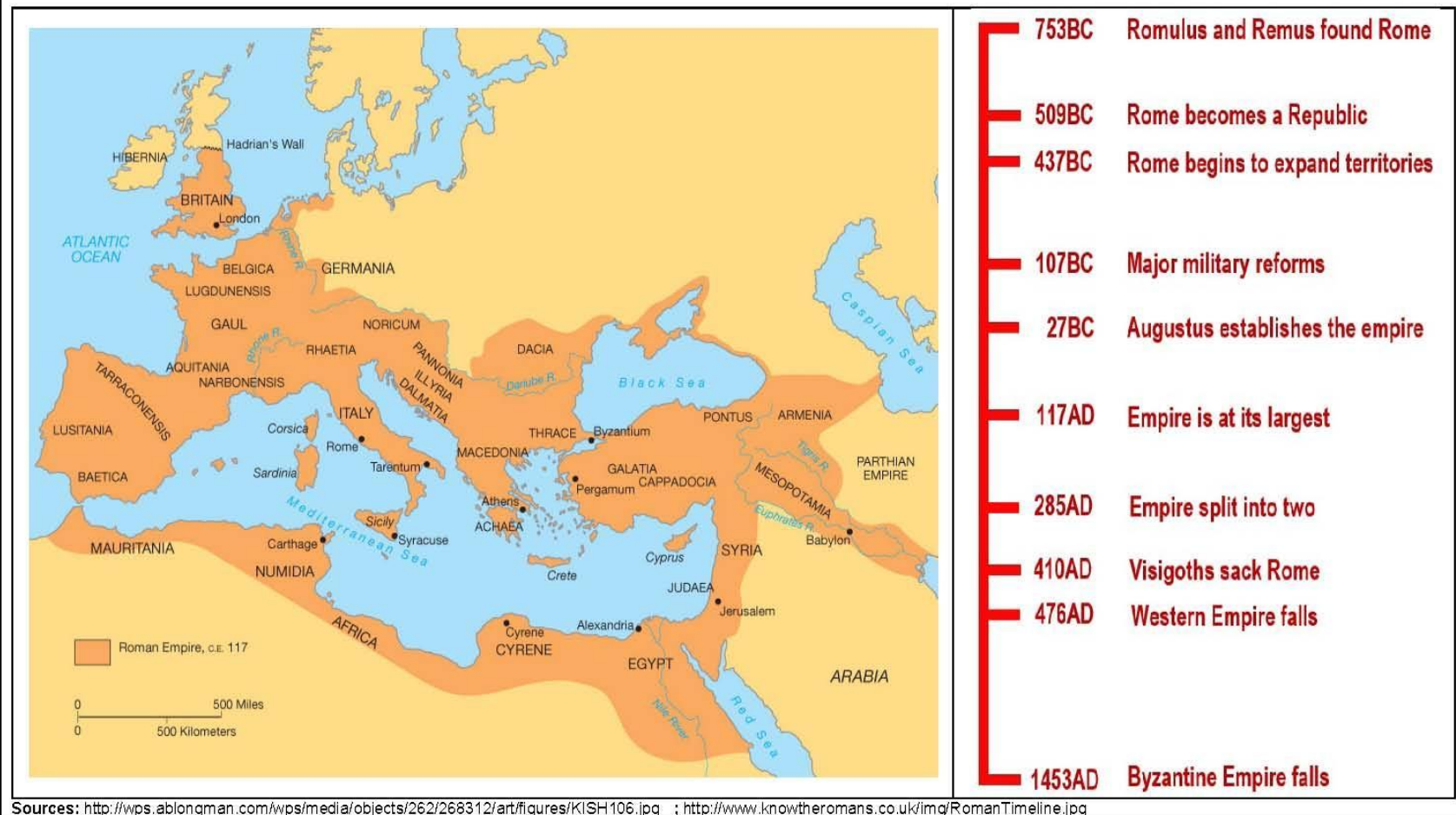
Themes of abstracts (16 pages, 40 000 characters, A4 format):

1. The evolution of the Roman Architecture in the Etruscan period
2. The evolution of the Roman Architecture in the Republic's period
3. The evolution of the Roman Architecture in the Empire's period

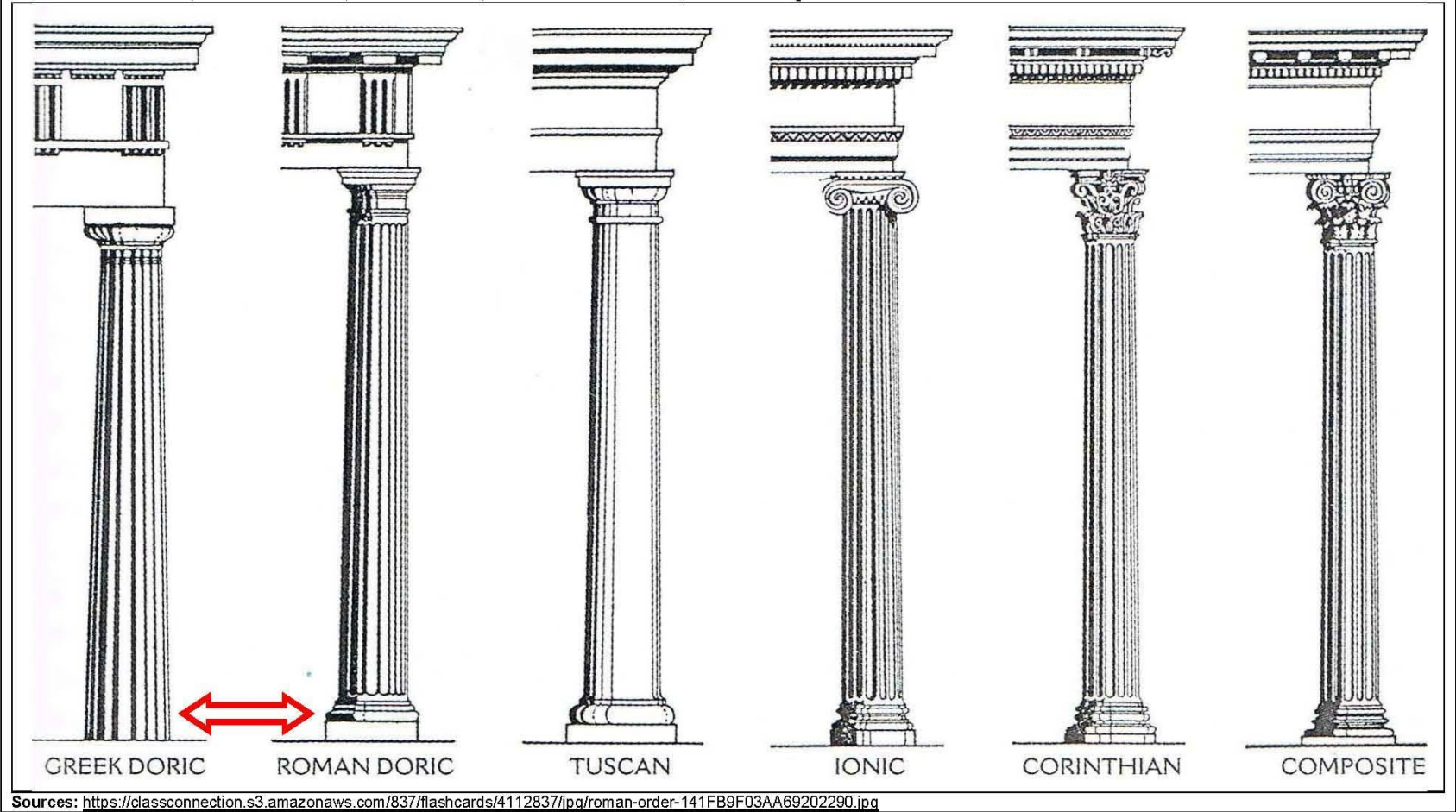
Examples for the 6th Lecture:

- 6.1** The Ancient Rome: the Geographical position and the Time-line
- 6.2** Five Roman orders: a Doric, a Tuscan, an Ionic, a Corinthian, a Composite
- 6.3** The Insula (a Multi-storey residential building with rooms and apartments for rental), Rome, from 3rd century BC
- 6.4** The Pompeii town, founded 6th – 7th century BC – abandoned 79 AD
- 6.5** Imperial Forums, Rome: the Caesar's Forum, 46 BC; the Augustus's Forum, 2 BC; the Temple of Peace and the Vespasian's Forum, 75 AD; the Nerva's Forum, 98 AD; the Trajan's Forum, 112-113 AD)
- 6.6** The “Pont du Gard” (a part of the Nîmes aqueduct: from a spring at Uzès to the Roman colony of Nemausus), Roman Gaul, 60 AD
- 6.7** The Colosseum / Flavian Amphitheatre, Forum Romanum, Rome, 80 AD
- 6.8** The Pantheon temple, Rome, 126 AD (Arch. Emperor Hadrian as the Chief and Apollodorus of Damascus)
- 6.9** The Triumphal Arch of Septimius Severus, Forum Romanum, Rome, 203 AD
- 6.10** The "Terme di Caracalla" / "Thermae Antoninianae", Rome, 217 AD

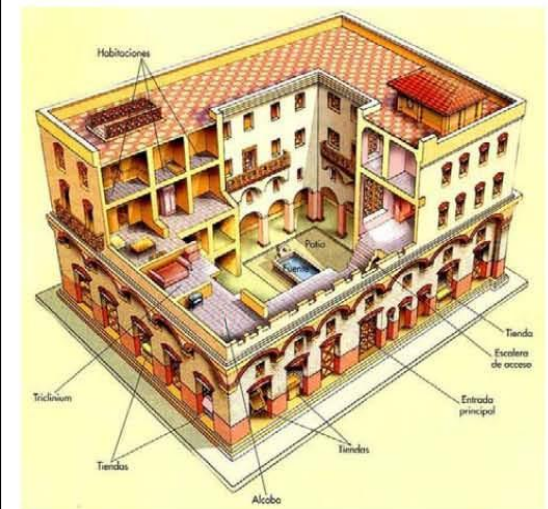
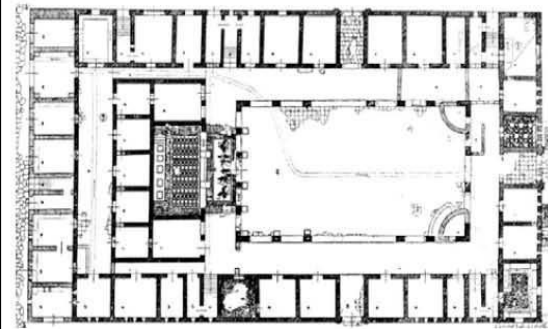
6.1 The Ancient Rome: the Geographical position and the Time-line



6.2 Five Roman orders: a Doric, a Tuscan, an Ionic, a Corinthian, a Composite

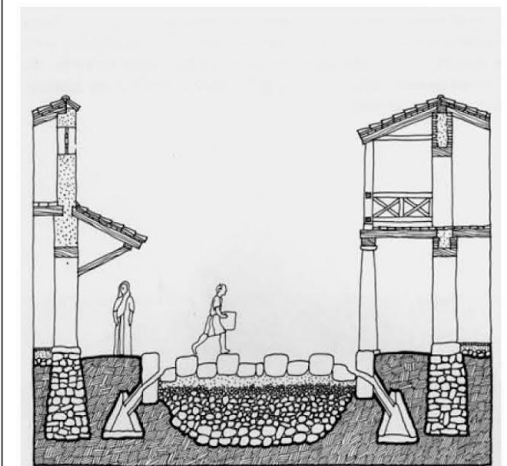
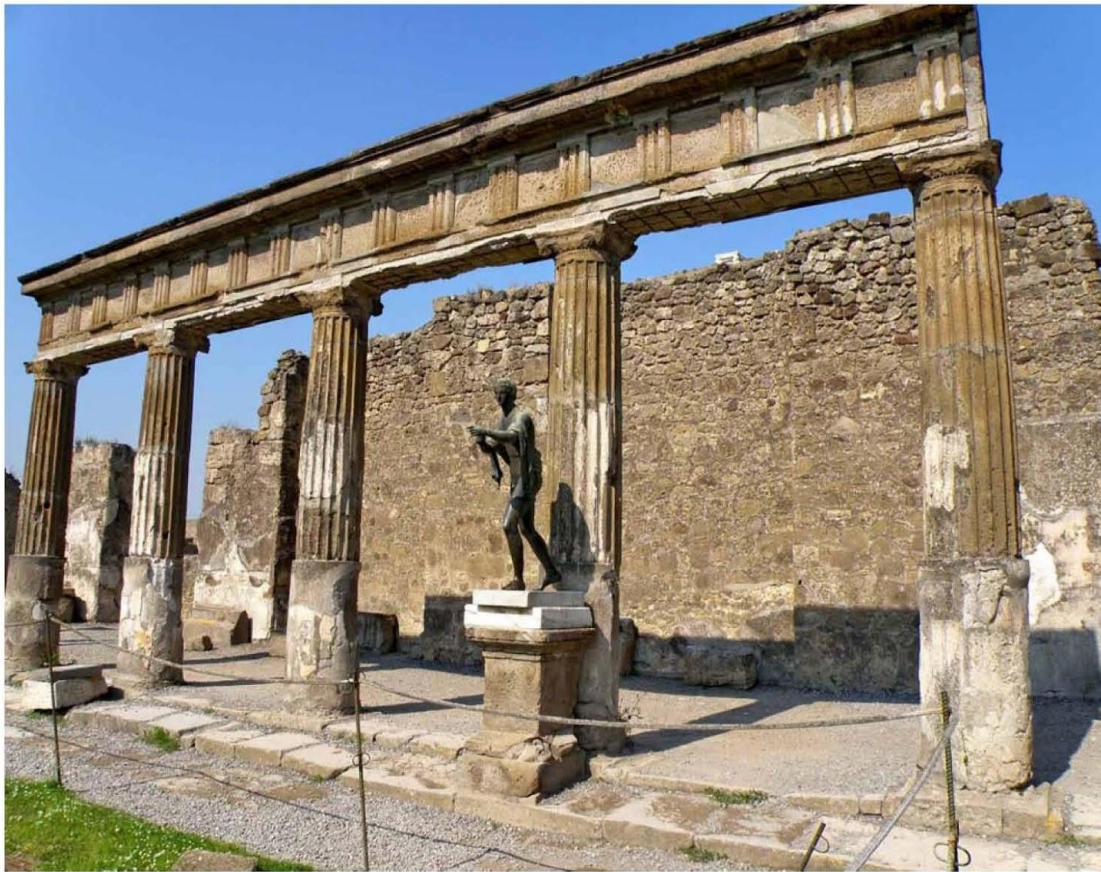


6.3 The Insula (a Multi-storey residential building with rooms and apartments for rental), Rome, from 3rd century BC



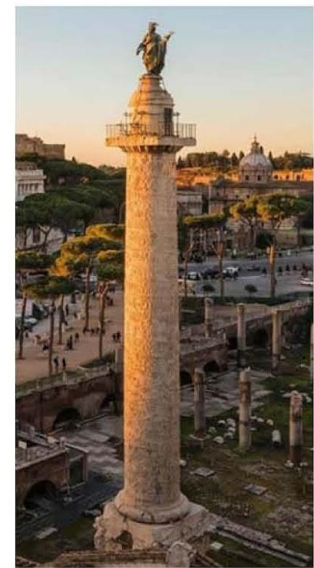
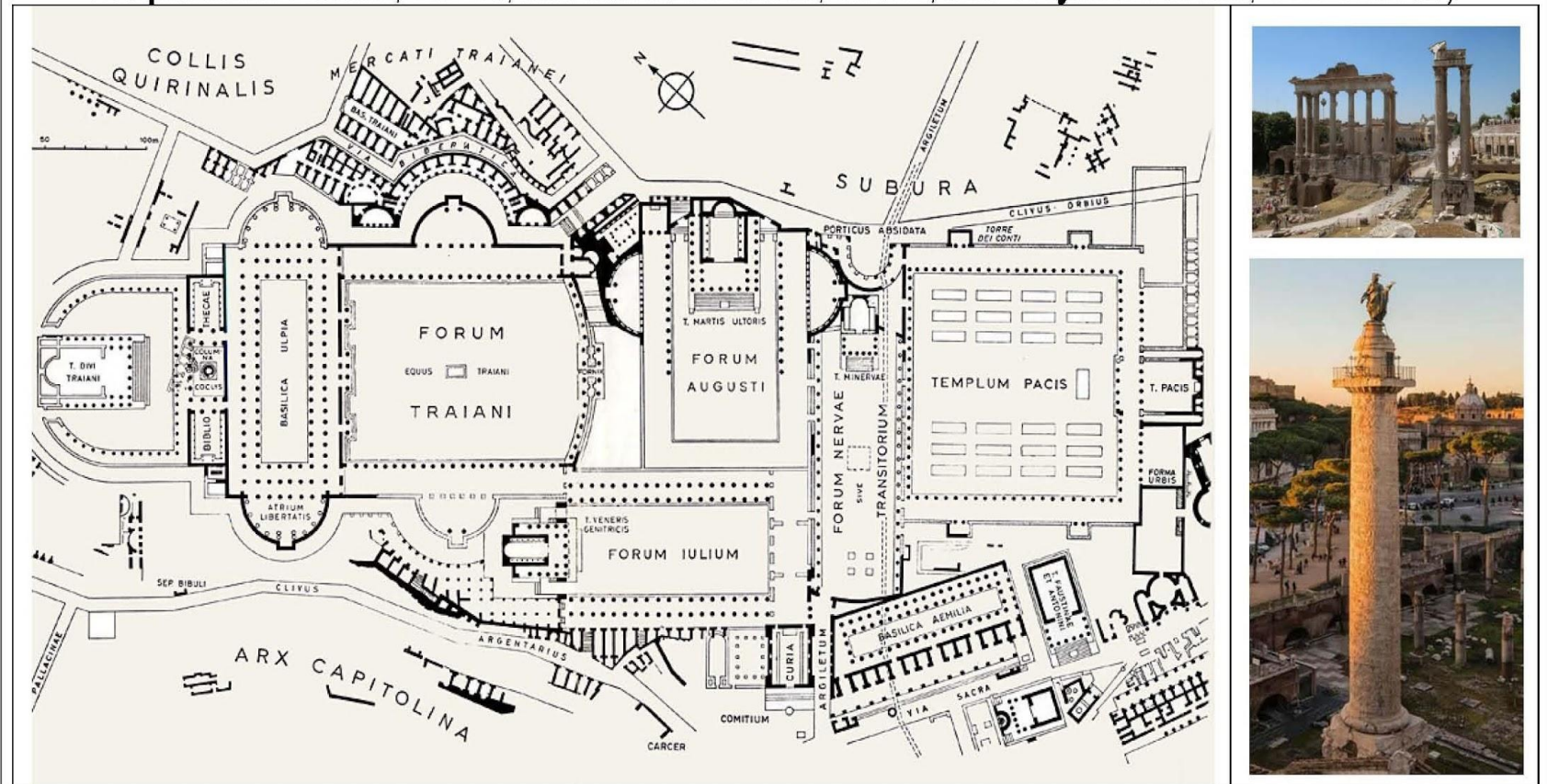
Sources: <http://alison-morton.com/wp-content/uploads/2014/02/insulae-Rome-1024x768.jpg> ; <http://www.ostia-antica.org/regio2/5/5-1.jpg> ; <https://mervisk.files.wordpress.com/2015/11/insula.jpg>

6.4 The Pompeii town, founded 6th – 7th century BC - abandoned 79 AD



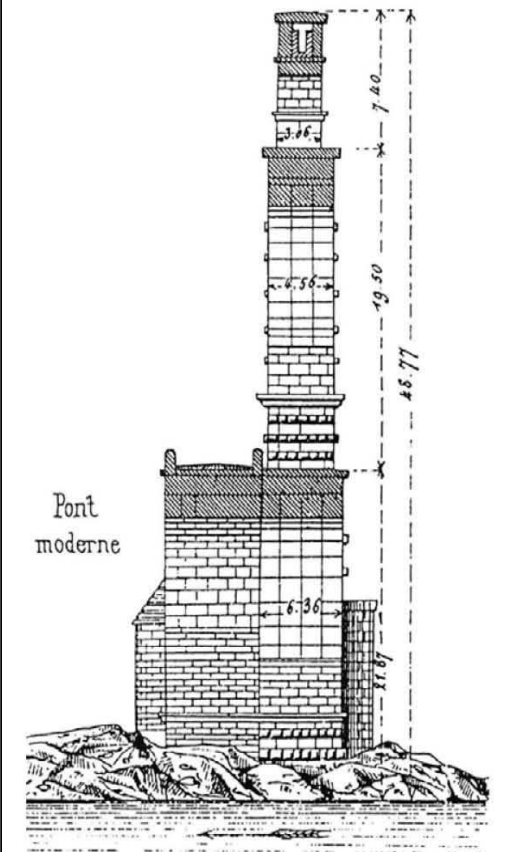
Sources: <http://www.putidoroqi-nn.ru/images/stories/Pompeia/5.jpg> ; <https://deiatatu.files.wordpress.com/2010/01/p1030195.jpg> ; http://cc.owu.edu/~rdfusch/roman_city_street_crosssection.jpg

6.5 Imperial Forums, Rome:
the Caesar's Forum, 46 BC; the Augustus's Forum, 2 BC; the Temple of Peace and the
Vespasian's Forum, 75 AD; the Nerva's Forum, 98 AD; the Trajan's Forum, 112-113 AD)



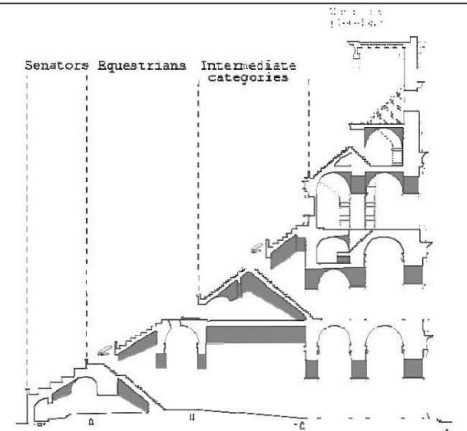
Sources: <http://intranet.arc.miami.edu/rjohn/ARC267-05/imperialfora.jpg> ; http://images.bankoboev.ru/big/bankoboev.ru-rim_rimskii_forum-86632.jpg ; <http://tripschannel.com/wp-content/uploads/2016/06/Trajan-Column-2016.jpg>

6.6 The “Pont du Gard” (a part of the Nîmes aqueduct: from a spring at Uzès to the Roman colony of Nemausus), Roman Gaul, 60 AD



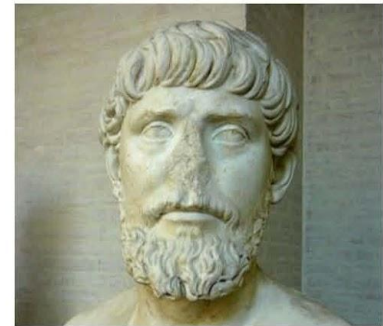
Sources: https://upload.wikimedia.org/wikipedia/commons/thumb/d/d8/Pont_du_Gard_Oct_2007.jpg/1280px-Pont_du_Gard_Oct_2007.jpg ;
https://upload.wikimedia.org/wikipedia/commons/0/0c/Cross_section_Pont_du_Gard_1875.jpg

6.7 The Colosseum / Flavian Amphitheatre, Forum Romanum, Rome, 80 AD



Sources: <http://bestguidedtoursinrome.com/wp-content/uploads/2014/10/Best-Guided-Tours-in-Rome-Colosseo.jpg> ; <https://upload.wikimedia.org/wikipedia/commons/thumb/3/38/Colosseum-profile-english.png/800px-Colosseum-profile-english.png> ; <http://www.crystalinks.com/colosseumaerialview.jpg>

6.8 The Pantheon temple, Rome, 126 AD (Arch. Emperor Hadrian as the Chief and Apollodorus of Damascus)



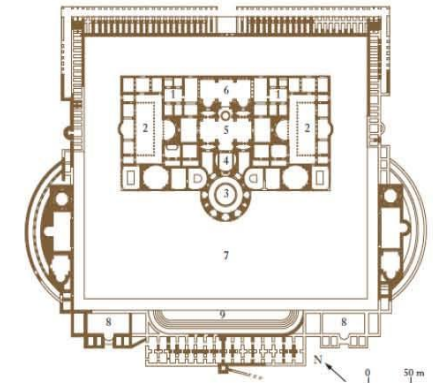
Sources: <http://www.crystalinks.com/PantheonSide.jpg> ; <http://www.stendhalhotelrome.it/img/pantheon02.jpg> ; <https://elainemcnulty.files.wordpress.com/2016/07/aerial-view-pantheon.jpg?w=820> ; https://upload.wikimedia.org/wikipedia/commons/thumb/4/4e/Apollodorus_of_Damascus%2C_Greek_Architect_and_Engineer._Pic_01.jpg/800px-Apollodorus_of_Damascus%2C_Greek_Architect_and_Engineer._Pic_01.jpg

6.9 The Triumphal Arch of Septimius Severus, Forum Romanum, Rome, 203 AD



Sources: <http://sights.seindal.dk/img/orig/7832.jpg> ; http://niistali.narod.ru/cities/Roma_2/victory_arch_severus.jpg ; <https://s-media-cache-ak0.pinimg.com/564x/3d/92/a6/3d92a60c002bb2f99ad7bc3b6f7892f6.jpg>

6.10 The "Terme di Caracalla" / "Thermae Antoninianae", Rome, 217 AD



Sources: <http://www.zestrip.net/blog/guide/wp-content/uploads/sites/4/2016/10/terme-di-caracalla-1.jpg> ; http://www.cult-turist.ru/img/5288_orig.jpg ; http://images.treccani.it/enc/media/share/images/orig/system/galleries/STORIA_VOL3/terme_fig_vol3_021660_001.jpg

Recommended educational and scientific-theoretical sources:

1. *Timeline of Roman history / From Wikipedia, the free encyclopedia. - URL: https://en.wikipedia.org/wiki/Timeline_of_Roman_history*
2. *Roman aqueduct / From Wikipedia, the free encyclopedia. - URL: https://en.wikipedia.org/wiki/Roman_aqueduct*
3. *Pont du Gard / From Wikipedia, the free encyclopedia. -URL: https://en.wikipedia.org/wiki/Pont_du_Gard*
4. *Pantheon, Rome / From Wikipedia, the free encyclopedia. - URL: https://en.wikipedia.org/wiki/Pantheon,_Rome*
5. *Apollodorus of Damascus / From Wikipedia, the free encyclopedia. - URL: https://en.wikipedia.org/wiki/Apollodorus_of_Damascus*
6. *Arch of Septimius Severus / From Wikipedia, the free encyclopedia. - URL: https://en.wikipedia.org/wiki/Arch_of_Septimius_Severus*
7. *Baths of Caracalla / From Wikipedia, the free encyclopedia.- URL: https://en.wikipedia.org/wiki/Baths_of_Caracalla*
8. *Colosseum / From Wikipedia, the free encyclopedia. - URL: <https://en.wikipedia.org/wiki/Colosseum>*Greek architectural orders / Dr. Jeffrey A. Becker. - URL: <https://www.khanacademy.org/humanities/ancient-art-civilizations/greek-art/beginners-guide-greece/a/greek-architectural-orders>**

Briefly about the Author



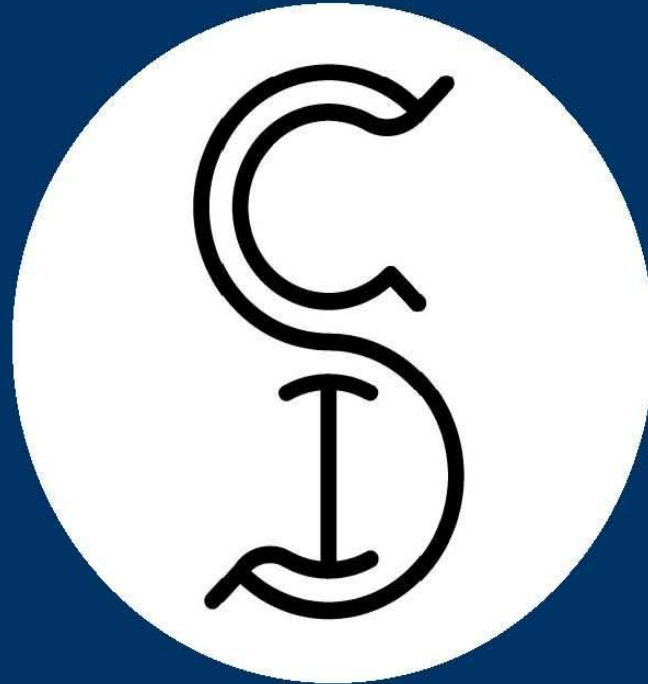
Konstantin I. SAMOILOV

High Doctorate (Arch) – 2008,
Doctor of Sciences (Arch) – 2004,
Candidate of Sciences / eq. PhD(Arch) – 1990,
Dipl. Arch. / eq. MArch – 1983,
Dipl. Tech. Arch. / eq. BArch – 1977



Associate Professor of the Architectural Faculty –
Kazakh Leading Academy of Architecture and Civil Engineering –
www.kazqasa.kz

E: samconiv@yahoo.com , samconiv@mail.ru



THE HISTORY OF ARCHITECTURE FROM PREHISTORIC TO MODERN TIMES:
Albums of characteristic examples for the Educational course / by Dr. Konstantin I.Samoilov. –
The sixth Album: THE ANCIENT ROMAN ARCHITECTURE. – Almaty, 2017. – 18 p.