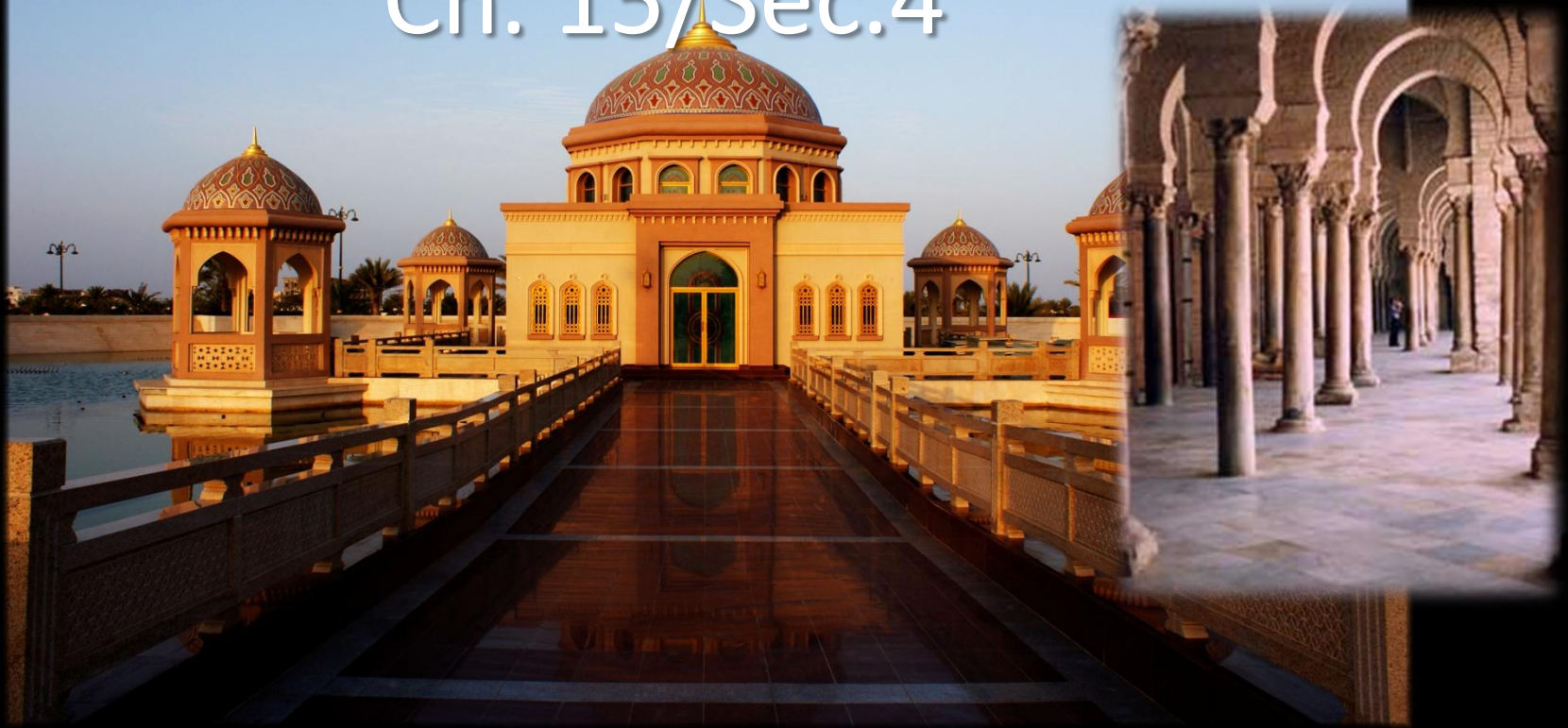


Muslim Achievements

Ch. 15/Sec.4



Philosophy & Medicine

- Academics were important
 - Built libraries and academies
- Philosophers
 - Islamic civilization produced a lot of brilliant scholars
- Avicenna
 - Great Muslim doctor
 - Wrote many books on medicine: medical encyclopedia
- Hospitals
 - Built throughout the Arab Muslim empire
 - Pharmacies were also built
 - Doctors performed operation for cancer and brain surgeries

Mathematics & Science

- Mathematicians used a decimal system
 - Arabic numerals: numbers we used today (0, 1, 2, 3...)
 - Arabic numerals easier to use than Roman numerals (I, II, III....)
 - They made ground breaking advances in algebra
- Astronomy
 - Built observatories to study the stars
 - Created charts that showed the positions of the stars and planets
 - Developed more precise calendars



Art & Architecture

- Calligraphy
 - Art of decorative writing
 - Carved them on walls, painted them on tiles, and wove them onto textiles
- Built mosques, fountains, gates, baths, and palaces.
 - Domes and arches were popular too

