

January 15, 2021

## 1 How to Submit this Assignment

Once you answer the questions, take a picture of your work and convert it to a PDF. Submit the PDF to the assignment link on Moodle.

## 2 Hispanic America's Historical Dynamics

1. The author lays out the central argument of the chapter in this section, which is the connection between merchant guilds, the domestic economy, and the constitution of enlightenment institutions. Please list some of the institutions, like colleges and botanical gardens (think of these as research institutes), mining guilds and corporations, etc. Give the dates, organized by country below:

- (a) México: 27 MILLION PESOS WORTH OF GOLD & SILVER COINS WHICH MINTED IN 1800 - SCHOOLS OR MINING (1792)
- (b) Perú: 1780'S MINERS ORGANIZED INTO BODIES THAT HAD THEIR OWN TRIBUNALS, MERCHANTS ORGANIZED TRADE GROUPS
- (c) Venezuela (Caracas): ACADEMIA DE MATEMÁTICAS FOUNDED IN 1760
- (d) Guatemala: EL JARDÍN BOTÁNICO ESTABLISHED IN 1796

## 3 Modern Scientific Culture

1. Discuss the significance of *empiricism*, or the use of observations from instruments, on scientific culture. How was this different from Scholasticism? (Feel free to look up the definitions of these terms).

EMPIRICISM - THEORY THAT ALL KNOWLEDGE IS DERIVED FROM SENSE EXPERIENCE  
SCHOLASTICISM - SYSTEM OF THEOLOGY & PHILOSOPHY TAUGHT IN MEDIEVAL UNIVERSITIES  
EMPIRICISM IS VERY IMPORTANT IN SCIENTIFIC CULTURE DUE TO THE FACT THAT IT IS A THEORY THAT IS DERIVED FROM EXPERIENCE

## Hispanic American Scientific Culture

1. Notice the discussion of *Scientific Libraries*. Discuss the significance of the formation of private scientific libraries in Enlightenment period Hispanic America. What does the existence of these collections of new, modern books tell us about scientific culture at the time? Why were these books not in common libraries? What are a few other examples of the birth of modern scientific culture that were private than public or nationalized?

THESE LIBRARIES WERE BUILT IN SPITE OF OFFICIAL RESTRICTIONS & BY BOOK SMUGGLERS  
MODERN SCIENTIFIC TEXTS WERE NOT ACQUAINTED WITH THE NOTION OF ENLIGHTENMENT PHILOSOPHY