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Reading Quiz 0.2 part II, and 1.1 - INTD290

Dr. Jordan Hanson - Whittier College Dept. of Physics and Astronomy January 24, 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 Nueva España

1. Discuss some examples of the book trade between France, Spain, and New Spain. What is the implication for the growth of Enlightenment knowledge in New Spain?

Distribution of literature was a bit easier since the printing press was nell established and the knowledge was coming from there. In New Spain, people (like Alzake) collected books and created libraries we scientific literature, collected books and created libraries we scientific literature.

2. It even tually became so prevalent for people to gather many books that were not allowed that the monarchy of Spain gave up censorship.

Nueva Granada



Figure 1: A map of the Northern edge of South America and the Caribbean.

- 1. On Fig. 1, label the locations of the following cities:
 - · Quito (In Ecuador)
 - Santa Fe (de Bogotá) Colombia
 - · Caracas Venezuela-
- 2. List the universities in each of the above cities. Which ones were founded with Enlightenment ideals in mind, and at which ones were taught concepts from Newtonian (as opposed Scholastic) physics?

 In Cavacas, there was the University and Caracas where Enlightenment ideals were taught. In all three of these cities, Newtonian Physics and Enlightenment ideals were being taught, which was big for the time. In Santa Fe, a major university was University Javeriana.

 In Quito there was the University of Gregoriana.

Comparisons of Adoption of Scientific Revolution

1. What do the contrasted examples of José Ignacio Bartolache and José Celestino Mutis say about the acceptance of the Scientife Party of of the Scientific Revolution in the different virreinatos? Give examples of the accomplishments of each person, and give content facilities. and give context for the acceptance of the work of each in their respective virreinate.

José Ignacio Bartolache had a major collection of scientific books and instruments that many interested people came to experience.

José Celestino Mutis in New Granada had much scientific literature as well. In Nueva Granada, Celestino taught physics and math courses as well. In Ivveva Granada, Celestino Taught production the Viceloy, So and trained students to take his place. He was also affiliated with Viceloy, So and trained students to take his place. He was also affiliated with that regionit is clear that science was more accepted in that regionit is clear that science was more accepted in that regionit is clear that science was more accepted in that regionit is clear that science was more accepted in that regionit is clear that science was more accepted in that regionit is clear that science was more accepted in that regionit is clear that science was more accepted in that regionit is clear that science was also affiliated with Viceloy, So
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control over various universities? The Jesuits and Dominicans both played critical

roles in the development of educational practices in the reducation America.
The Jesuits left education in Nueva Granada in 1762 because their philosophies were non-scholasticiand they were opposed to consorship The Dominicans operated differently, and they tought theories that were more accepted and scholastic. They operated more conventionally.

3. Eventually, the Spanish Crown took control of education. How did this happen, and more importantly, why would the Crown wish to do this? Now turn your attention to the time before the Spanish Crown took over education. This one is worth a bonus point. How did control of education grant political control? Why The Spanish Crown wanted to take control because they had seen what happened in the French Pevolution and did not want to loss their colonies in an uprising/revolution.
In an effort to attain this level of control, they began to find ways to censor knowledge and to hide/censor books that contained the "forbidden knowledge" that they defined. Not cool!

Advent of Newtonian Physics in Nueva Granada

1. Discuss the significance of the geodetic expedition of Charles de la Condamine in 1735. What was the goal? What were the cultural outcomes for Creole peoples, according to the writings of Alexander von Humboldt?
The significance of the expedition was to foster a culture of scientific thought and discussion. The attempt to inspire interest in science was a success as people truly appreciated it.

2. Which Catholic religious order first taught Newtonian physics in Nueva Granada?

- · Carmelites
- Dominicans
- Franciscans

Jesuits

They valued Newtonian Physics (in the book it says that they valued it because it was probable) and tried to teach it as often as they could. The Jesuits adopted more Enlightenment ideals quicker than other sects.

¹lt might be helpful to know: Dominican universities were sometimes named San Tomás, after Saint Thomas Aquinas (not Saint Thomas the Apostle), because Saint Thomas Aquinas was a Dominican. San Ignacio de Loyola was the founder of the Jesuits, and some Jesuit universities are named San Ignacio.