

Fleming College
Quantum Leaps: Scientists Who Changed the World
Final Assignment and Presentation - Value 25%
Dr. J. Mior

Throughout this course we will be discussing how the scientific method proceeds from empirical observation to theory and to modification of the theory in light of further evidence. Concurrently we will be examining some of the giants of Science, their achievements and how, often in the face of extreme scepticism or worse, succeeded in pushing back the boundaries of human knowledge.

Based on the knowledge you gained in this course along with the additional reading and research you will have done, select a scientist (or a theory) we studied in class and describe the obstacles the scientists had to overcome to push back the boundaries of human knowledge. You will also explain the benefits the invention or theory brought to the world. With prior approval, you may select another scientist or theory (that we did not directly cover in class) to write about.

There are two parts to this assignment.

1. You will prepare a word processed report of a minimum of **four** pages. Your report will be grammatically correct with proper citations
2. You will present your report orally to the class. While not mandatory, you may select multimedia equipment to make your presentation. The length of the presentation **approximately 10-15 minutes**.

This assignment will be due in weeks **13-15**.

Students are expected to be in class and will be asked to provide feedback on the various presentations. Five percent of the total mark will be based on this feedback. Further details will be provided in class before the start of the presentations.

ALTERNATIVE ASSIGNMENT

Any suggestions for an alternative assignment will be considered but must receive my approval well in advance.

For example, you and a selected number of your colleagues may want to present the trial of Galileo as he was called before the Church. Another possibility would be to stage the “Scopes Monkey Trial”.

Be creative! Use your imagination! Have fun and learn!
“It’s kind of fun to do the impossible.” Walt Disney