Study Abroad

Summer 2022

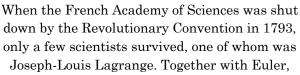
Paths of Development in

Mathematics and Physics

at the time of the

French Revolution

MATH 395 or PHYS 395



Lagrange developed a new calculus, called variational calculus, which not only opened the

door for new physics, but it permitted
the reformulation of existing theory,
such as Newtonian mechanics, in a more
elegant manner. Fourier laid the
foundations for an extremely rich area of
research in mathematics that carries his
name, Fourier Analysis. In this seminar,
we will follow the paths in the history of
mathematics leading to the
development of variational calculus,
differential equations, and
approximation theory based on

works of D'Alembert, Euler, Fourier, Lagrange, and Laplace. We will start the course at CNU, continue it in Paris, and complete it in Great Britain, first in Edinburgh and then in Cambridge.



Travel Dates: June 2021 (tentatively June 6 - June 26)

Projected Cost: \$4000 plus tuition and personal expenses

Credit: 3 hours MATH or PHYS (300-level major elective)

First Information Meeting: (TBA, September XX, 2021)

If you are thinking about joining us, attend the meeting! And please see or contact Dr. Dobrescu or Dr. Heddle,

especially if you can't make the first meeting.

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