

## MA4198 PROJECT PROPOSAL (PROJECT CUM SEMINAR GROUP)

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### SUPERVISOR'S INFO

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### PROJECT ID: PS04

### TITLE

Gamma function

### BRIEF DESCRIPTION OF PROJECT

Develop the general theory of the gamma function and explore some of its lesser-known properties.

### EXPECTATION/S

Students will (1) translate a historical text on the gamma function, (2) modernize its exposition, and (3) establish the mathematical results explained in the text.

### PREREQUISITE/S (at level 3000 or below, with at most one course at level 3000)

MA3211, MA2108

### READING REFERENCE/S

Maurice Godefroy, *La Fonction Gamma: Théorie, Histoire, Bibliographie*, Paris, Gauthier-Villars, 1901.  
(Available online through Project Gutenberg at <https://www.gutenberg.org/ebooks/29800> )