LTCC Proposed Course

- Title: Measure and Category

- Basic Details:
  - Core Audience: Pure
  - Course Format: Basic/core (10 hours)

- Course Description:
  - Keywords: measure, Baire category, Sierpiński–Erdős theorem, Borel games
  - Syllabus: The three main themes are:
    - Baire category theorem as a method for proving existence
    - Sierpiński–Erdős duality theorem between measure and category
    - Martin’s theorem that all Borel games are determined.
    All necessary concepts of measure theory and topology will be introduced.
  - Additional Optional reading:
  - Prerequisites:

- Format:
  - No of problem sheets:
  - Electronic lecture notes:
  - Necessary support facilities
  - necessary software requirements for computing facilities.
  - Proposed timing: late autumn, 1.15–3.15
  - Lecture/computer session/tutorial/discussion h split: / / / /

- Lecturer Details:
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