

# Qualifications for Teaching STAT 485

## Description

STAT 485 is an upper division course in time series covering autocorrelation, seasonality, autoregressive models, moving average models ARIMA models, nonparametric models and forecasting. The focus of the course is on applications and the related inferential techniques. The course requires the use of R software, widely available for free download or through the online Jupyter platform. The fall 2020 offering of STAT 485 will be offered online.

## Qualifications

### Education:

- **Required:**
  - An M.Sc. or Ph.D. in Statistics or a closely related field (e.g., Biostatistics or Actuarial Science), OR
  - An M.Sc. or Ph.D. in another discipline, accompanied by evidence of successful completion of sufficient course work in Statistics. Evaluation of the adequacy of this qualification is at the Chair's discretion.
- **Preferred:**
  - A Ph.D. in Statistics or a closely related field.
  - Completion of teaching workshops, certificates, or other formal instruction in teaching.

### Teaching Experience:

- **Preferred:**
  - Prior teaching experience with good evaluations.
    - Experience teaching introductory Statistics and/or teaching in a large lecture theatre are especially valued.
  - Familiarity with course delivery systems (especially Canvas)

### Practical Experience:

- **Required:**
  - Experience with R
  - Experience with time series techniques
- **Preferred:**
  - Experience with Jupyter and/or RStudio
  - At least one year in industry or government as statistician or similar job.

Communication:

- **Required:**
  - Excellent oral and written communication skills

Applicants who have not previously been employed by the department may be required to give a guest or mock lecture to demonstrate teaching ability.

For more information, please contact the department chair at [stchair@sfu.ca](mailto:stchair@sfu.ca).

Last Modified 12 June 2020.