(2 credits)

001-2-4044

Weekly Lecture Hours	Exercise	Laboratory	Field Trip
2			

Prerequisite: Statistical Analysis in Climate Research by G. Bel

• The course requirements include the submission of all exercises.
• The grade is determined by the final project and the exercises.

The Course Includes:
1. Time Series:
- Time Series and Stochastic Processes
- Parameters of Univariate and Bivariate Time Series
- Estimating Covariance Functions and Spectra
    2. Composites and Associated Correlation Patterns
    3. POP Analysis
    4. Empirical Orthogonal Functions.
    5. Canonical Correlation
    6. Complex Eigentechniques

Recommended Reading:
• Von Storch H. and Zwiers F. W. (2003). Statistical Analysis in Climate Research, Cambridge University Press
• Wilks D. S. (2011). Statistical Methods in the Atmospheric Sciences, Third Edition, Academic Press

Lecturer: Golan Bel

trackfull degree