<table>
<thead>
<tr>
<th>Georg-August-Universität Göttingen</th>
<th>6 C</th>
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<tbody>
<tr>
<td>Module B.Phy.5629: Nonlinear dynamics and time series analysis</td>
<td>4 WLH</td>
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### Learning outcome, core skills:
Sound knowledge and practical experience with methods and concepts from Nonlinear Dynamics and Time Series Analysis, mainly obtained by devising, implementing, and running algorithms and simulation programs.

### Workload:
- **Attendance time:** 56 h
- **Self-study time:** 124 h

### Course:
Blockpraktikum

### Examination:
- **Presentation with discussion (approx. 45 minutes) and written elaboration (max. 10 pages)**
- **Examination requirements:**
  - Presentation of a specific topic
  - Report about own (simulation) results obtained for the specific topic

### Workload:
- **Attendance time:** 56 h
- **Self-study time:** 124 h

### Admission requirements:
- None

### Recommended previous knowledge:
- Basic programming skills (for the exercises)

### Language:
- German, English

### Person responsible for module:
- apl. Prof. Dr. Ulrich Parlitz

### Course frequency:
- Sporadic

### Duration:
- 1 semester[s]

### Number of repeat examinations permitted:
- 3 times

### Recommended semester:
- Bachelor: 5 - 6; Master: 1 - 4

### Maximum number of students:
- 12

### Additional notes and regulations:
- (Duration: 2 weeks with 8h per day)