



NEURAL NETWORKS (123131)

INSTRUCTOR:
SABIH GEREZ
University of Twente
Department of Electrical Engineering
Chair of Signals and Systems
ROOM: EL/TN 9238, TEL: 3156
EMAIL: s.h.gerez@el.utwente.nl



REQUIRED KNOWLEDGE

- * In principle, only knowledge from the compulsory part of the curriculum.
- * In most cases, even knowledge supposed to be present will be summarized first. Examples:
 - + linear algebra
 - + linear systems
 - + probability
 - + information theory



COURSE MATERIAL

- * Ballard, D.H., 'An Introduction to Natural Computation', MIT Press, Cambridge, Massachusetts, (1997), ISBN: 0-262-52258-6 (paperback edition 1999).
- * Slides to be distributed through the course's web page with URL:
<http://utelnt.el.utwente.nl/links/gerez/ci/index.html>
- * Possible other material.



EXAMINATION

On the basis of a *project* and an *oral session* where the project and the theory are discussed. Possible project types:

- * literature study
- * implementation of algorithm

TIME DISTRIBUTION

10 lectures of 2 x 45 min:	±	15	hours
self study:	±	25	hours
final project:	±	60	hours
TOTAL:	±	100	hours