Become an expert for human resources and technology with the M.Sc. in Psychology

Human Performance in Socio-Technical Systems

✓ We will empower you with the broad and extensive psychological knowledge necessary to master multifaceted challenges on the job.

For example, you will learn how to …

– design and analyze modern work systems
– organize mobility and design traffic
– develop, implement, and evaluate educational and training interventions for vocational and further training
– develop and evaluate team interventions
– think and work in novel and interdisciplinary research as well as professional contexts
– successfully solve complex problems concerning human behavior in socio-technical systems (e.g., in traffic systems)

Contact

Internet:

http://psychologie.tu-dresden.de/HPSTS

Study Advisor:

Prof. Dr. Sebastian Pannasch
Phone: +49(0)351-463-34221
Sebastian.Pannasch@tu-dresden.de

Cooperating Chairs:

Work and Organizational Psychology
Psychology of Learning and Instruction
Engineering Psychology
Traffic and Transportation Psychology
Social Psychology
Methods of Psychology

In Addition:

Clinical Psychology
Cognitive-Affective Neuroscience
Public Health
Occupational Health
Computer Sciences

Application:

Please visit http://psychologie.tu-dresden.de/HPSTS for information about application procedures

Apply now – we are looking forward to meeting you!

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Why should you choose the M.Sc. Human Performance in Socio-Technical Systems?

✓ Study program that is unique within Europe
  - Interdisciplinary curriculum of different chairs of psychology:
    ▪ Work and Organizational Psychology
    ▪ Psychology of Learning and Instruction
    ▪ Engineering Psychology
    ▪ Traffic and Transportation Psychology
    ▪ Social Psychology
    ▪ Methods of Psychology
  - Cooperations across faculties (especially technically-oriented fields)

✓ Excellent research infrastructure
  - Integration in international and interdisciplinary research projects and cooperations
  - Availability of state-of-the-art research laboratories

✓ Excellent teaching quality
  - Innovative range of course offerings
  - International orientation (courses in English and German)
  - Close coupling of theory and practice
  - Excellent study conditions (CHE-ranking)
  - Mentoring program

Course Contents
✓ Knowledge areas:
  Work and organizational psychology
  Personnel psychology
  Competence acquisition in socio-technical systems
  Traffic and transportation psychology
  Applied cognitive research
  Social interaction and performance

✓ Methods:
  Advanced multivariate statistics
  Research methods of different disciplines (e.g., interventions in work, organizational, and personnel psychology)
  Master thesis seminar

✓ Applications:
  Multiple fields of application
  Internships
  Additional focus areas: clinical psychology, cognitive-affective neuroscience, public health, occupational health, computer sciences, technical design

Research Topics (Selection)
✓ Human-oriented and performance-enhancing design of work and organizational systems
✓ Development of life-long learning in terms of active construction and communication of knowledge
✓ Design of ideal social and communicative conditions for excellent performance in teams and organizations
✓ Management of mobility and traffic design
✓ Human factors in traffic and engineering sciences
✓ Optimization of human-machine-interactions

Admission Requirements
✓ University degree in psychology (min. 6 semesters) or related fields of study (work sciences, computer sciences, engineering, traffic-, economic sciences, business education, industrial engineering, teaching, public health, occupational health, sociology)
✓ Good command of the German and English language (level B2 of the European framework of reference for languages)
✓ Knowledge in the core areas of the master program as well as in the fundamental subjects of psychology

Selection Criteria
✓ Selection ranking based on:
  – Overall grade of university degree
  – Study performance in the core areas of the master program
  – Study performance in the fundamental subjects of psychology

Study Conditions
✓ Course load: 120 credits
✓ Standard duration of study: 4 semesters
✓ Commencement: Every winter semester
✓ Structure: Nine mandatory modules and one broad elective area
✓ Available places: 45