Automated Debugging

Andreas Zeller

Lehrstuhl Softwaretechnik
Universität des Saarlandes, Saarbrücken
Course Topics

- Causes and Effects in Computer Programs
- Determining Failure Causes
- Understanding Programs
- Isolating Failure Causes Automatically
- Detecting Anomalies
- Program Analysis

“Why does my program fail”? 
Course Format

Formally: V2 + Ü2, 6 LP (credit points)

• A lecture per week
typically on Tuesdays, 11-13, Building 45, HS 1

• A lab per week
typically on Fridays, 11-13, Building 45, HS 1

Exceptions to the rule:

• Next Friday will be a lecture

• Next Tuesday will be a lab
Exams

Oral exams at the end of the semester.
Course Material

Course language will be *English*.

Questions can be asked in German (and will be translated into English).

Lecture notes are handed out during course.

These notes will be turned into a book next year, so your feedback is most welcome.

Slides can be downloaded from Web page:

http://www.st.cs.uni-sb.de/edu/DEBUG/

Any questions?