# *Automated Debugging*

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# *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/adebug/`

**Any questions?**