

- SPECIAL GUEST

DIETER VAN MELKEBEEK

- MIDTERM INFO

MIN=57, MAX=100, MEDIAN=85

DISTRIBUTION

90-100: 25	80-89: 21
70-79: 13	60-69: 7
57-59: 1	

# JAVA JVM

## VIRTUAL MACHINE

WITH OPERAND STACK  
(NO REGISTERS)

## DATA LOCATIONS

- STATIC FIELDS (LABELS)
- FRAMES (VAR OFFSETS)

## TYPES

INTEGER (FOR INT, BOO, CHAR)

REFERENCE (FOR ARRAYS, STRINGS)

## EXPOSE JVM CODE FOR JAVA

JAVAP -C FILE

- SHOWS GENERATED CODE  
FOR FILE.CLASS

# JASMIN

- ASSEMBLER FOR JVM

JVM, IN SOURCE FORM,

ONE INSTRUCTION PER

• LINE

GENERATES JAVA-STYLE

• CLASS FILE

IN BUILD.XML

TEST - DO FULL TEST OF  
ONE FIXED PROGRAM

TEST1 - COMPILER & SHOW  
GENERATED CODE  
VIA GUI

TEST2 - COMPILER, AND RUN  
VIA GUI