UTAustinX: UT.6.01x Embedded Systems - Shape the World

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Part e) Load your software onto the board and test it again. While grading on the real board, your system will be tested as you push and release the two switches. To run the grader on the real board perform these steps

1) In Keil, execute **Project->OptionsForTarget**. In the **Target** tab, select **TExaS** in the **Operating System** drop-down menu. In the **Debug** tab, click the Use radio on the right and select the **Stellaris ICDI**.
2) Compile the project by executing **Project->BuildProject**
3) Download the object code into Flash EEPROM by executing **Flash->Download**
4) Start the debugger by executing **Debug->Start/StopDebuggingSession**
5) Show the TExaS real board grader by executing **Debug->OSsupport->TExaSGrader2.0**
6) Run your program executing by **Debug->Run**
7) Please debug your software before attempting to grade. When you are ready to run the grader, press reset and then run. Invoke the grader by clicking the **Grading** button (follow directions in the ActionMsg Window)

GRADING ON THE REAL BOARD

▶ Play

| 0:00 / 1:46 | | 1.0x | | | | |

DR. JONATHAN VALVANO: Here are the steps to get a grade in the lab seven

real board.

We copy the number here from EdX.

And then, we go into Keil.

We're done debugging, so now I'm going to get a grade.

I have to be in the real board.

So I make sure the debugger is running on the real board.

I will build, which is compiling.

I'll burn the object code into ROM.

02/24/2014 11:11 AM

And then, we will debug.

So I'm debugging the real board solution
to lab seven, OK?

To grade, I need to run.

So I click the Run button here, OK?

We remember to copy and paste the
number from EdX, OK?

The board is running.

And so in order to get a grade, I'm going
to have to push the Grading

button here.

In this window, it tells us what to do.

It says to wait.

So I'm waiting.

I'm waiting.

It's checking the configurations.

It's checking.

It says to release

Help

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Community/)

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