ET4074 Modern Computer Architectures (2012-2013 Q1)   **Announcements**

Announcements

IMPORTANT NOTICE

Posted on: Friday, August 31, 2012

Dear All,
Some of you have complained about the confusion with regard to the combination of ET4074 MCA and IN4340 ECA. In order to avoid problems and further confusion we will keep the blackboard pages for both courses separate. All information with regard to ET4074 MCA will be found on this blackboard page. If you intend to follow the IN4340 ECA course, then this is not the right blackboard page and you should enroll in the respective blackboard page for that course.
For the course description of MCA please refer to the Course information page.
with kind regards,
Roel Meeuws and Arnaldo Azevedo

Posted by: Roel Meeuws
Posted to: ET4074 Modern Computer Architectures (2012-2013 Q1)

MIPS Programming issue

Posted on: Friday, October 5, 2012

Dear all,

Some of you asked us about the fifth argument in the function where it should reside. Just as the return address should be pushed to the stack during a procedure call, additional arguments that do not fit in the argument registers, as per the register conventions, can be put on the stack just before the return address. so the answer is to reserve room on the stack and put it there.
with kind regards,
Roel

Posted by: Roel Meeuws
Posted to: ET4074 Modern Computer Architectures (2012-2013 Q1)

MIPS Programming Assignment

Posted on: Thursday, September 27, 2012

Dear all,
In the assignment the code printed two values on one line. As some of you correctly noted WinMIPS is not able to do this. We had assumed this was possible, but the simulator always prints a newline after a value. Because of this we allow you guys to print the values on different lines. To make the reading more clear for us please insert an additional newline after each second value, like this:
0.00000
0.11123

2.00000
4.23232

etc.
with kind regards,
Roel and Arnaldo

Posted by: Roel Meeuws
Posted to: ET4074 Modern Computer Architectures (2012-2013 Q1)

MIPS Assignment problem

Posted on: Thursday, September 20, 2012

Dear All,
After the initial trouble of the MIPS assignment we said you could use the EduMIPS64 simulator. However, this sumulator does not support floating point calculations.

Posted by: Roel Meeuws
Posted to: ET4074 Modern Computer Architectures (2012-2013 Q1)

Therefore we fix this exercise as follows: the memory can be extended in the Configure > Architecture menu in WinMIPS64 by making the address bus of width 11 (meaning 2k of memory). We then also change the exercise arrays to 64 entries for x, and y and 32 entries for b. Now we only require 1260 bytes and there is enough room for the stack. Attached you will find the adjusted exercise.

Our apologies for the problems getting you started on your exercise. You will have 4 days extra for the exercise with the new deadline being Sunday 14 October, before 23:59h.

regards,
Roel

Reading Assignment Information

Posted on: Thursday, September 20, 2012

The Reading Assignment information is already available under Assignments in the BlackBoard.

In the discussion board there is a Forum with a thread regarding the formation of the groups and their respective topics.

Once you form your group, select 2~3 topics, in order of interest and submit it to a.p.pereiradeazevedofilho@tudelft.nl or reply to the thread in the forum. The later has priority over the former regarding the selection of topics.

In case of question, do not hesitate in contact me via email or the discussion board, under the Reading Assignment forum.

Posted by: Arnaldo Pereira de Azevedo Filho
Posted to: ET4074 Modern Computer Architectures (2012-2013 Q1)

MIPS Programming Assignment available

Posted on: Wednesday, September 19, 2012

Dear All,
please find the MIPS PRogramming assignment under the Assignments page. Each student should perform this assignment and provide a solution before or on October 10, 2012.
regards,
Roel and Arnaldo

Posted by: Roel Meeuws
Posted to: ET4074 Modern Computer Architectures (2012-2013 Q1)

First lecture and schedule

Posted on: Friday, August 31, 2012

Dear All,
due to the Introductory week many students will not be at the TU Delft for lectures. As such, the lectures for ET4074 and IN4340 will start on Wednesday September 12, 2012. This is also mentioned in the Course Description provided on the Course Information section on this blackboard page (or the one for ET4074).

As in previous years, ECA (IN4340) and MCA (ET4074) will follow the same track from week 1.2 till week 1.6. Afterwards the two courses diverge. Because of this, the lectures for both courses will be given in the same rooms (Room E on wednesday and room C on thursday). In week 1.7 and 1.8 ECA will be given in room L, LH 01.450.

with kind regards,
Roel Meeuws and Arnaldo Azevedo.

Posted by: Roel Meeuws
Posted to: ET4074 Modern Computer Architectures (2012-2013 Q1)