Introduction to ECSE 426 Lab

By Amirhossein Shahshahani

(Winter 2018)

Teacher Assistances

- **Amir Shahshahani** (Tutorials)

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Schedule may change during the semester!

- Tutorials : 1st : 22 Jan (Low Level Programming)

(TR-0070) 2nd : 5 Feb (ADC, Display,…)

3rd : 19 Feb (Timers, Keypad,…)

4th : 12 March (RTOS, shared memory,…)

- LAB hours : All Tue, Wed, Thur **(check calendar)**
- Demo : 1st : 2 Feb

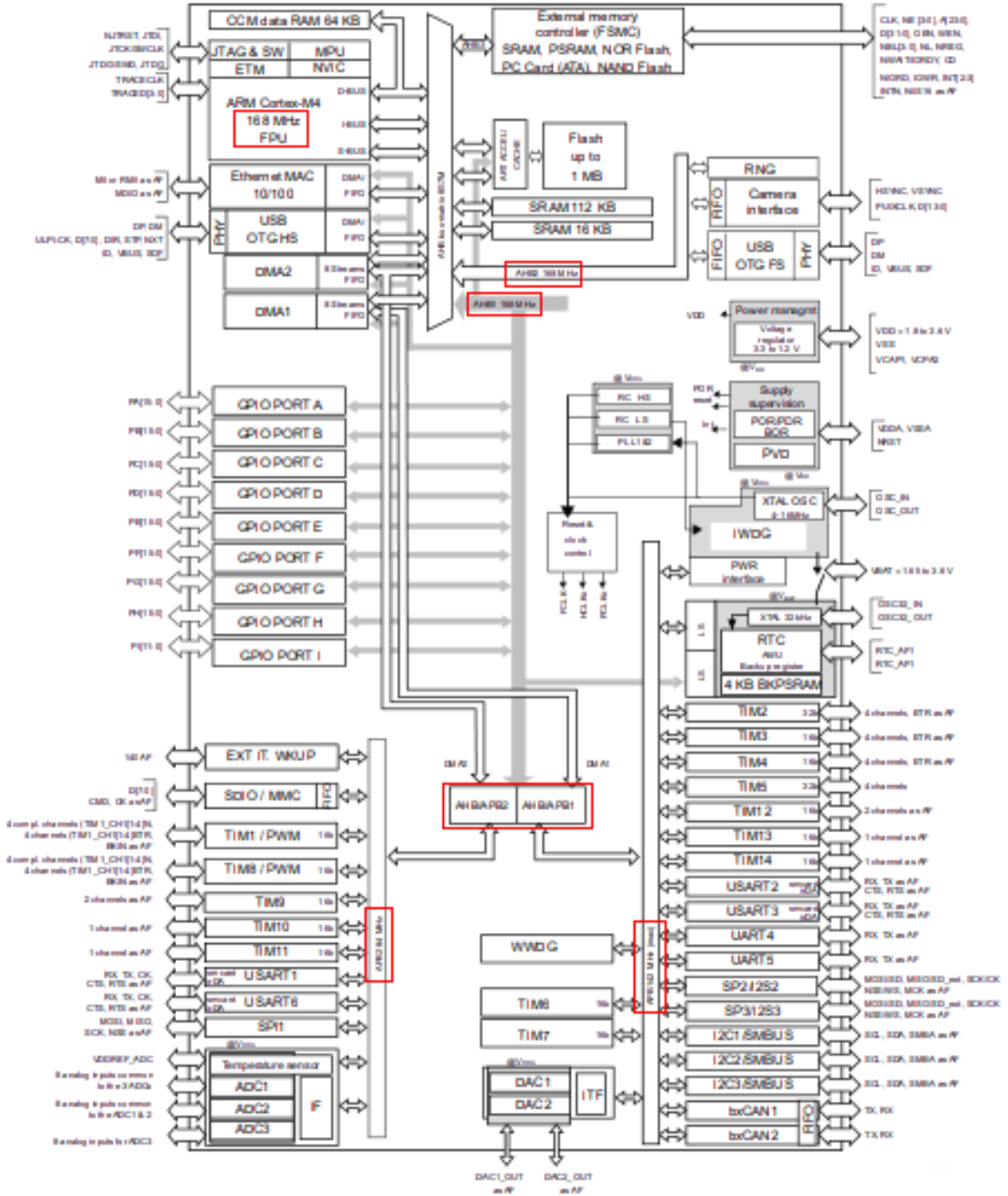
2nd : 16 Feb

3rd : 2 March

4th : 23 March

STM32F4 Discovery Board:

- 32-bit ARM® Cortex® -M4 with FPU core, 1-Mbyte Flash memory, 192-Kbyte RAM,
- ST MEMS 3-axis accelerometer,
- Omni-directional digital microphone,
- Four user LEDs,
- Two push-buttons (user and reset),
- USB OTG FS with micro-AB connector



Doc-06 - STM32F407xx Datasheet

- If you have any question, problem or any concern about your demo score, **feel free to contact the TA who you did the demo with him.**
- **To do the early demo, please contact the TA who has LAB hour in that day**
- Early demo is limited to maximum two groups in each day.
- Early demo is not possible for the first demo.
- If you have a question which the answer might be useful for others, ask it in the discussion board on MyCourse.
- Questions about the Quizes and Reports should be sent to **Amirhossein Shahshahani.**

To Do:

- Read uP- C Tutorial
- Read Doc_08 - ARM® and Thumb®-2 Instruction Set
- Read Doc_09 - Vector Floating Point Instruction Set
- Have a glance on Doc_10 - Discovery Kit F4 Rev.C
- Have a glance on Doc_07 - Procedure Call for ARM (pages 10-26)
- Install the Keil software (recommended):

  http://www2.keil.com/mdk5/install/