

### Schedule 2016 - 2017

|   |  |
|---|--|
| Intensive Course/ 1 week course (Outside UAM) |  |
| Zero Course (CCCUAM)                          |  |
| Exam date                                     |  |
| Homework Deadline                             |  |

LECTURE ROOM: Aula 402, Modulo 13

SUBJECTS:

| <u>Acronym</u> | <u>Subject</u>   |
|----------------|--|
| FMCM           | <i>Mathematical foundations of quantum mechanics</i>         |
| MQT I          | <i>Theoretical quantum mechanics I</i>                       |
| MQT II         | <i>Theoretical quantum mechanics II</i>                      |
| SAMS           | <i>Symmetry in atoms, molecules and solids</i>               |
| TC             | <i>Computational techniques and numerical calculation</i>    |
| MEAS           | <i>Statistical mechanics and applications in simulations</i> |
| LA             | <i>Lassers</i>   |
| DRQ            | <i>Dynamic of the chemical reactions</i>                     |
| EE             | <i>Excited states</i>  |
| S              | <i>Solid states</i>  |
| PMQT           | <i>Deepening of theoretical chemistry methods</i>            |
| LQTA           | <i>Laboratory of applied theoretical chemistry</i>           |
| BC             | <i>Computational Biochemistry</i>                            |
| LIN            | <i>Linux and Linux management</i>                            |

### FIRST SEMESTER

WEEK 26 - 30 OF SEPTEMBER

| TIME          | MONDAY  | TUESDAY            | WEDNESDAY  | THURSDAY   | FRIDAY     |
|---------------|---|--------------------|------------|------------|------------|
| 11:00 - 14:00 | <b>Introductory Lesson (Alcami) (30min)<br/>LQTA (2h)</b> | <b>LQTA (2.5h)</b> |            |            |            |
| 9:00 - 14:00  |   |                    | <b>LIN</b> | <b>LIN</b> | <b>LIN</b> |
| 15:00 - 19:00 | <b>TC</b>   | <b>TC</b>          | <b>TC</b>  | <b>TC</b>  | <b>TC</b>  |

WEEK 3 - 7 OF OCTOBER

| TIME         | MONDAY     | TUESDAY    | WEDNESDAY  | THURSDAY   | FRIDAY     |
|--------------|------------|------------|------------|------------|------------|
| 9:00 - 14:00 | <b>LIN</b> | <b>LIN</b> | <b>LIN</b> | <b>LIN</b> | <b>LIN</b> |

|                      |  |             |             |             |             |
|----------------------|--|-------------|-------------|-------------|-------------|
| <b>12:00-14:00</b>   | <b>Inaguration of Masters in Sciencies</b> |             |             |             |             |
| <b>15:00 - 18:00</b> | <b>LQTA</b>                                | <b>LQTA</b> | <b>LQTA</b> | <b>LQTA</b> | <b>LQTA</b> |

WEEK 10 -14 OF OCTOBER

| <b>TIME</b>          | <b>MONDAY</b> | <b>TUESDAY</b> | <b>WEDNESDAY</b>                     | <b>THURSDAY</b> | <b>FRIDAY</b> |
|----------------------|---------------|----------------|--------------------------------------|-----------------|---------------|
| <b>10:00 - 13:00</b> | <b>LQTA</b>   |                | <b>Holiday: Día de la Hispanidad</b> | <b>LQTA</b>     | <b>LQTA</b>   |
| <b>16:00 - 18:00</b> |               | <b>LQTA</b>    |                                      | <b>FMMC</b>     |               |

WEEK 17 - 21 OF OCTOBER

| <b>TIME</b>          | <b>MONDAY</b> | <b>TUESDAY</b> | <b>WEDNESDAY</b> | <b>THURSDAY</b> | <b>FRIDAY</b> |
|----------------------|---------------|----------------|------------------|-----------------|---------------|
| <b>10:00 - 13:00</b> | <b>LQTA</b>   | <b>LQTA</b>    | <b>LQTA</b>      |                 |               |
| <b>14:00 - 16:00</b> | <b>SAMS</b>   | <b>FMMC</b>    | <b>SAMS</b>      | <b>FMMC</b>     |               |
| <b>16:00 - 18:00</b> | <b>MEAS</b>   |                | <b>MEAS</b>      |                 |               |

WEEK 24 - 28 OF OCTOBER

| <b>TIME</b>          | <b>MONDAY</b> | <b>TUESDAY</b> | <b>WEDNESDAY</b> | <b>THURSDAY</b> | <b>FRIDAY</b> |
|----------------------|---------------|----------------|------------------|-----------------|---------------|
| <b>14:00 - 16:00</b> | <b>SAMS</b>   | <b>FMMC</b>    | <b>SAMS</b>      | <b>FMMC</b>     |               |
| <b>16:00 - 18:00</b> | <b>MEAS</b>   |                | <b>MEAS</b>      |                 |               |

WEEK 31 OF OCTOBER - 4 OF NOVEMBER

| <b>TIME</b>          | <b>MONDAY</b> | <b>TUESDAY</b> | <b>WEDNESDAY</b> | <b>THURSDAY</b> | <b>FRIDAY</b> |
|----------------------|---------------|----------------|------------------|-----------------|---------------|
| <b>14:00 - 16:00</b> |               |                | <b>SAMS</b>      |                 | <b>SAMS</b>   |
| <b>16:00 - 18:00</b> | <b>MEAS</b>   |                | <b>MEAS</b>      |                 |               |

WEEK 7 - 11 OF NOVEMBER

| <b>TIME</b>         | <b>MONDAY</b> | <b>TUESDAY</b> | <b>WEDNESDAY</b>                | <b>THURSDAY</b> | <b>FRIDAY</b> |
|---------------------|---------------|----------------|---------------------------------|-----------------|---------------|
| <b>9:00 - 11:00</b> |               |                | <b>Holiday: Almudena Madrid</b> |                 |               |
| <b>14:00 -</b>      | <b>SAMS</b>   |                |                                 |                 |               |

|                      |  |                  |  |                  |  |
|----------------------|--|------------------|--|------------------|--|
| <b>16:00</b>         |  |                  |  |                  |  |
| <b>15:00 - 17:00</b> |  | <b>Sem. FMMC</b> |  | <b>Sem. FMMC</b> |  |

**WEEK 14 - 18 OF NOVEMBER**

| <b>TIME</b>          | <b>MONDAY</b>    | <b>TUESDAY</b> | <b>WEDNESDAY</b> | <b>THURSDAY</b> | <b>FRIDAY</b>                     |
|----------------------|------------------|----------------|------------------|-----------------|-----------------------------------|
| <b>14:00 - 16:00</b> | <b>Sem. FMMC</b> |                | <b>Sem. FMMC</b> |                 | <b>Holiday: San Alberto Magno</b> |
| <b>15:00 - 17:00</b> |                  | <b>FMMC</b>    |                  | <b>FMMC</b>     |                                   |
| <b>16:00 - 18:00</b> | <b>MQT I</b>     |                | <b>MQT I</b>     |                 |                                   |

**WEEK 21 - 25 OF NOVEMBER**

| <b>TIME</b>          | <b>MONDAY</b> | <b>TUESDAY</b> | <b>WEDNESDAY</b> | <b>THURSDAY</b> | <b>FRIDAY</b> |
|----------------------|---------------|----------------|------------------|-----------------|---------------|
| <b>15:00 - 17:00</b> |               | <b>FMMC</b>    |                  | <b>FMMC</b>     |               |
| <b>16:00 - 18:00</b> | <b>MQT I</b>  |                | <b>MQT I</b>     |                 |               |

**WEEK 28 OF NOVEMBER TO 2 OF DECEMBER**

| <b>TIME</b>          | <b>MONDAY</b> | <b>TUESDAY</b> | <b>WEDNESDAY</b> | <b>THURSDAY</b> | <b>FRIDAY</b>                          |
|----------------------|---------------|----------------|------------------|-----------------|--|
| <b>14:00 - 16:00</b> | <b>TC</b>     |                | <b>TC</b>        |                 | <b>Deadline for Homework Linux UAM</b> |
| <b>15:00 - 17:00</b> |               | <b>FMMC</b>    |                  | <b>FMMC</b>     |  |
| <b>16:00 - 18:00</b> | <b>MQT I</b>  |                | <b>MQT I</b>     |                 |  |

**WEEK 5 - 9 OF DECEMBER**

| <b>TIME</b>          | <b>MONDAY</b> | <b>TUESDAY</b>                        | <b>WEDNESDAY</b> | <b>THURSDAY</b>                       | <b>FRIDAY</b>                         |
|----------------------|---------------|---------------------------------------|------------------|---------------------------------------|---------------------------------------|
| <b>16:00 - 18:00</b> |               | <b>Holiday: Constitución Española</b> | <b>MQT I</b>     | <b>Holiday: Inmaculada Concepción</b> | <b>Deadline for Homework LQTA UAM</b> |

**WEEK 12 - 16 OF DECEMBER**

| <b>TIME</b> | <b>MONDAY</b> | <b>TUESDAY</b> | <b>WEDNESDAY</b> | <b>THURSDAY</b> | <b>FRIDAY</b> |
|-------------|---------------|----------------|------------------|-----------------|---------------|
|-------------|---------------|----------------|------------------|-----------------|---------------|

|                          |              |             |           |  |   |
|--------------------------|--------------|-------------|-----------|--|---|
| <b>10:00 -<br/>12:00</b> | <b>TC</b>    |             | <b>TC</b> |  | <b>Deadline<br/>for<br/>Homework<br/>TC - Fortran</b> |
| <b>15:00 -<br/>17:00</b> |              | <b>FMMC</b> |           |  |   |
| <b>16:00 -<br/>18:00</b> | <b>MQT I</b> |             |           |  |   |

**WEEK 2 - 6 OF JANUARY**

| <b>TIME</b> | <b>MONDAY</b>              | <b>TUESDAY</b> | <b>WEDNESDA<br/>Y</b> | <b>THURSDAY</b> | <b>FRIDAY</b> |
|-------------|----------------------------|----------------|-----------------------|-----------------|---------------|
|             | <b>Holidays: Christmas</b> |                |                       |                 |               |

**Intensive course - 2017**

WEEK 9 - 13 OF JANUARY

| TIME          | MONDAY     | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|---------------|------------|---------|-----------|----------|--------|
| 8:30 - 10:00  | MQT I      | FMMC    | FMMC      | FMMC     | FMMC   |
| 10:15 - 11:45 | MQT I      | MQT I   | MQT I     | MQT I    | FMMC   |
| 12:00 - 13:30 | FMMC       | FMMC    | FMMC      | FMMC     | FMMC   |
| 13:30 - 15:00 | LUNCH TIME |         |           |          |        |
| 15:00 - 17:00 | TC         | TC      | TC        | TC       | TC     |
| 17:30 - 19:30 | MEAS       | MEAS    | MEAS      | MEAS     | MEAS   |

WEEK 16 - 20 OF JANUARY

| TIME          | MONDAY       | TUESDAY      | WEDNESDAY    | THURSDAY     | FRIDAY       |
|---------------|--------------|--------------|--------------|--------------|--------------|
| 9:00 - 11:00  | PMQT         | PMQT         | PMQT         | PMQT         | PMQT         |
| 11:30 - 13:30 | SAMS         | SAMS         | SAMS         | SAMS         | SAMS         |
| 13:30 - 15:00 | LUNCH TIME   |              |              |              |              |
| 15:00 - 17:00 | MEAS (Pract) | MEAS (Pract) | MEAS (Pract) | MEAS (Pract) | MEAS (Pract) |
| 17:30 - 19:30 | MQT I        | MQT I        | MQT I        | MQT I        | MQT I        |

WEEK 23 - 27 OF JANUARY

| TIME          | MONDAY         | TUESDAY        | WEDNESDAY      | THURSDAY       | FRIDAY         |
|---------------|----------------|----------------|----------------|----------------|----------------|
| 9:00 - 11:00  | PMQT           | PMQT           | PMQT           | PMQT           | PMQT           |
| 11:30 - 13:30 | SAMS           | SAMS           | SAMS-Pract     | SAMS-Pract     | SAMS-Pract     |
| 13:30 - 15:00 | LUNCH TIME     |                |                |                |                |
| 15:00 - 16:30 | MQT II         | MQT II         | MQT II         | MQT II         | MQT II         |
| 16:45 - 18:15 | MQT II         | MQT II         | MQT II         | MQT II         | MQT II         |
| 18:30 - 20:00 | MQT II (Pract) | MQT II (Pract) | MQT II (Pract) | MQT II (Pract) | MQT II (Pract) |

## SECOND SEMESTER

WEEK 13 - 17 OF FEBRUARY

| TIME          | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|---------------|--------|---------|-----------|----------|--------|
| 10:00 - 12:00 | MQTII  | PMQT    | MQT II    | PMQT     |        |

WEEK 20 - 24 OF FEBRUARY

| TIME          | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|---------------|--------|---------|-----------|----------|--------|
| 10:00 - 12:00 | MQT II | PMQT    | MQT II    | PMQT     |        |

WEEK 27 OF FEBRUARY - 3 OF MARCH

| TIME          | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY                               |
|---------------|--------|---------|-----------|----------|--------------------------------------|
| 10:00 - 12:00 | MQT II | PMQT    |           | PMQT     | <b>Deadline homework 1st WEEK IC</b> |

## **Dynamic of the Chemical Reactions - Salamanca**

WEEK 6 - 10 OF MARCH

| TIME  | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|-------|--------|---------|-----------|----------|--------|
| 9:00  | DRQ    | DRQ     | DRQ       | DRQ      | DRQ    |
| 13:30 | DRQ    | DRQ     | DRQ       | DRQ      | DRQ    |
| 15:30 | DRQ    | DRQ     | DRQ       | DRQ      | DRQ    |
| 19:30 | DRQ    | DRQ     | DRQ       | DRQ      | DRQ    |

WEEK 13 - 17 OF MARCH

| TIME          | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|---------------|--------|---------|-----------|----------|--------|
| 10:00 - 12:00 |        |         |           |          |        |

WEEK 20 - 24 OF MARCH

| TIME          | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY                         |
|---------------|--------|---------|-----------|----------|--------------------------------|
| 10:00 - 12:00 |        | PMQT    |           |          | <b>Exam FMMC (second part)</b> |

**WEEK 27 - 31 OF MARCH**

| TIME | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY                               |
|------|--------|---------|-----------|----------|--------------------------------------|
|      |        |         |           |          | <b>Deadline homework 2nd WEEK IC</b> |

**Computational Biochemistry - ZCAM (Zaragoza)**
**WEEK 3 - 7 OF APRIL**

| TIME  | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|-------|--------|---------|-----------|----------|--------|
| 9:00  | BC     | BC      | BC        | BC       | BC     |
| 12:00 | BC     | BC      | BC        | BC       | BC     |
| 16:00 | BC     | BC      | BC        | BC       | BC     |
| 19:00 | BC     | BC      | BC        | BC       | BC     |

**WEEK 10 - 14 OF APRIL**

| TIME | MONDAY                   | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|------|--------------------------|---------|-----------|----------|--------|
|      | <b>Holidays: Eastern</b> |         |           |          |        |

**Excited States- ZCAM (Zaragoza)**
**WEEK 17 - 21 OF APRIL**

| TIME  | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|-------|--------|---------|-----------|----------|--------|
| 9:00  | EE     | EE      | EE        | EE       | EE     |
| 13:30 | EE     | EE      | EE        | EE       | EE     |
| 15:30 | EE     | EE      | EE        | EE       | EE     |
| 19:30 | EE     | EE      | EE        | EE       | EE     |

**Solid State - ZCAM (Zaragoza)**
**WEEK 24 - 28 OF APRIL**

| TIME  | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|-------|--------|---------|-----------|----------|--------|
| 9:00  | S      | S       | S         | S        | S      |
| 14:00 | S      | S       | S         | S        | S      |
| 15:30 | S      | S       | S         | S        | S      |
| 19:30 | S      | S       | S         | S        | S      |

**WEEK 1 - 5 OF MAY**

| TIME | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY                               |
|------|--------|---------|-----------|----------|--------------------------------------|
|      |        |         |           |          | <b>Deadline homework 3rd WEEK IC</b> |

WEEK 8 - 12 OF MAY

| TIME | MONDAY | TUESDAY | WEDNESDAY | THURSDAY                                       | FRIDAY            |
|------|--------|---------|-----------|--|-------------------|
|      |        |         |           | <b>Deadline homework for electives courses</b> | <b>Exam MQTII</b> |

WEEK 15 - 19 OF MAY

| TIME | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY                     |
|------|--------|---------|-----------|----------|----------------------------|
|      |        |         |           |          | <b>Deadline for Solids</b> |

**Deadline for final marks submission: 7 JUNE, 2017**

**Special Assessment**

**Deadline for final marks submission: 5 JULY, 2017**

WEEK 5 - 9 OF JUNE

| TIME      | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|-----------|--------|---------|-----------|----------|--------|
| MORNING   |        |         |           |          |        |
| AFTERNOON |        |         |           |          |        |

WEEK 12 - 16 OF JUNE

| TIME      | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|-----------|--------|---------|-----------|----------|--------|
| MORNING   |        |         |           |          |        |
| AFTERNOON |        |         |           |          |        |

WEEK 19 - 23 OF JUNE

| TIME | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|------|--------|---------|-----------|----------|--------|
|------|--------|---------|-----------|----------|--------|



|                  |  |  |          |  |  |
|------------------|--|--|----------|--|--|
|                  |  |  | <b>Y</b> |  |  |
| <b>MORNING</b>   |  |  |          |  |  |
| <b>AFTERNOON</b> |  |  |          |  |  |

WEEK 26 - 30 OF JUNE

| <b>TIME</b>      | <b>MONDAY</b> | <b>TUESDAY</b> | <b>WEDNESDAY</b> | <b>THURSDAY</b> | <b>FRIDAY</b> |
|------------------|---------------|----------------|------------------|-----------------|---------------|
| <b>MORNING</b>   |               |                |                  |                 |               |
| <b>AFTERNOON</b> |               |                |                  |                 |               |

## Deadlines for homework and exam

### ***Mathematical foundations of quantum mechanics (FMMC)***

Deadline for Homework (the whole subject): 3 MARCH

Exam of the second part (Juan C. Paniagua): 24 MARCH

### ***Computational techniques and numerical calculation (TC)***

Deadline for Homework - First part (FORTRAN): 9 DECEMBER

Deadline for Homework - Second part (Numerical Calculations): 3 MARCH

### ***Theoretical quantum mechanics I (MQT I)***

Deadline for Homework - Manuel Yáñez: 3 MARCH

Deadline for Homework - Victor Rayón: 31 MARCH

### ***Theoretical quantum mechanics II (MQT II)***

Deadline for Homework: 5 MAY

Exam: 12 MAY

### ***Statistical mechanics and applications in simulations (MEAS)***

Deadline for Homework - Manuel Aguilar: 3 MARCH

Deadline for Homework - Applications in simulations: 31 MARCH

### ***Symmetry in atoms, molecules and solids (SAMS)***

Deadline for Homework - Pablo García: 31 MARCH

Deadline for Homework - Pere Alemany: 5 MAY

### ***Electives Courses***

#### ***Dynamic of the chemical reactions (DRQ)***

Deadline for Homework: 11 MAY

#### ***Excited states (EE)***

Deadline for Homework: 11 MAY

Test at the end of the ZCAM week

#### ***Deepening of theoretical chemistry methods (PMQT)***

Deadline for Homework: 11 MAY

#### ***Solids (S)***

Deadline for Homework: 19 MAY

Test at the end of the ZCAM week

#### ***Computational Biochemistry (BC)***

Deadline for Homework: 11 MAY

Test at the end of the ZCAM week

#### ***Linux and Linux management (LIN)***

Deadline for Homework: 2 DECEMBER

#### ***Laboratory of applied theoretical chemistry (LQTA)***

Deadline for Homework: 9 DECEMBER