

**Known parameters:**

1. Considering that the student's full-time duty is to be a student, the EU tried to calculate the hourly equivalent of 1 ECTS, arguing that if a student is considered a full-time worker he/she would have to work 40 hours.
2. Let's calculate, based on the idea that a student at our university will work 45 hours a week to be successful in his courses.
3. He/she must have a total of 30 ECTS credits in a semester. (There may be differences)
4. A semester at our university is 17 weeks (14 weeks of lectures + 3 weeks of exams)
5. The total (average) time a student spends on a course to achieve the teaching outcomes of a course. This includes all the activities and engagements of the student (taking classes, exams, exam preparation, midterms, homework, study, etc.)

**Accordingly:**

$(45 \text{ hours}) \times (17 \text{ weeks}) = 765 \text{ hours}$  (time a student must spend to study in a semester)

$1\text{-ECTS} = (765 \text{ hours} / 30 \text{ ECTS}) = 25.5 \text{ hours}$

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The student spends this time on lectures, assignments, labs, exams, projects, and self-study. The teacher of each course lists the requirements of his own course and determines the ECTS credits on this basis.

For example: a 3-credit pool course; 12 assignments are given; There are one midterm and one final exam (Saturday+Sunday) and let the student's self-study time is set as 36.

**ECTS for the course:**

$(14 \text{ weeks of lessons}) \times (3 \text{ hours}) = 42 \text{ hours/time spent by the student for the lesson}$

$(12 \text{ assignments}) \times (3 \text{ hours}) = 36 \text{ hours/time spent by the student making assignments}$

$(1 \text{ midterm and } 1 \text{ final exam}) = 9 \text{ hours/time spent on exams}$

36 hours of self-study at home, the library, etc.

Total= 123 hours

$1\text{-ECTS} = 25.5 \text{ hours}$

**The ECTS credits of this course are thus:**

$(123 \text{ hours} / 25.5 \text{ ECTS}) = 4.82 \Rightarrow 5 \text{ ECTS can be calculated as.}$