**Course Catalogue**

Jožef Stefan International Postgraduate School (IPS) offers incoming Erasmus exchange students a range of courses in its study programs and uses the European Credit Transfer System (ECTS).

IPS uses a numerical grade system where positive grades are:

10 – excellent: outstanding results with negligible errors (ECTS grade A),

9 – very good: above average knowledge with some errors (ECTS grade B),

8 – very good: very good knowledge with solid results (ECTS grade C),

7 – good: good knowledge, with more significant errors (ECTS grade D),

6 – sufficient: knowledge fulfills minimum standards (ECTS grade E).

The negative grade is:

5 – insufficient: knowledge does not fulfill minimum standards (ECTS grade F).

Descriptive grades are:

* passed (the exam was successfully passed, ECTS grade P),
* failed (the exam was not successfully passed, ECTS grade F).

For 3rd-cycle study programs the following courses are available to Erasmus exchange students:

* Nanosciences and Nanotechnologies:
	+ [Advanced Topics in Nanosciences and Nanotechnologies](https://www.mps.si/dokumenti/predmeti/887/Napredne%20teme%20iz%20nanoznanosti%20in%20nanotehnologij%20%28NANO3%29.pdf) (10 ECTS)
	+ [Microscopical and Microanalytical Methods](https://www.mps.si/dokumenti/predmeti/813/Mikroskopske%20in%20mikroanalizne%20metode%20%28NANO3%29.pdf) (10 ECTS)
	+ [Physics of Materials](https://www.mps.si/dokumenti/predmeti/798/Fizika%20materialov%20%28NANO3%29.pdf) (10 ECTS)
	+ [Materials Chemistry](https://www.mps.si/dokumenti/predmeti/806/Kemija%20materialov%20%28NANO3%29.pdf) (10 ECTS)
	+ [Seminar I](https://www.mps.si/dokumenti/predmeti/830/Seminar%20I%20%28NANO3%29.pdf) (10 ECTS)
	+ [Seminar II](https://www.mps.si/dokumenti/predmeti/899/Seminar%20II%20%28NANO3%29.pdf) (30 ECTS)
	+ [Seminar III](https://www.mps.si/dokumenti/predmeti/832/Seminar%20III%20%28NANO3%29.pdf) (10 ECTS)
	+ [Individual Research Work 1](https://www.mps.si/dokumenti/predmeti/472/Individualno%20raziskovalno%20delo%201%20%28SPL%29.pdf) (20 ECTS)
	+ [Individual Research Work 2](https://www.mps.si/dokumenti/predmeti/876/Individualno%20raziskovalno%20delo%202%20%28SPL%29.pdf) (30 ECTS)
	+ [Individual Research Work 3](https://www.mps.si/dokumenti/predmeti/727/Individualno%20raziskovalno%20delo%203%20%28SPL%29.pdf) (20 ECTS)
* Information and Communication Technologies:
	+ [Advanced ICT Approaches](https://www.mps.si/dokumenti/predmeti/874/Napredni%20IKT%20pristopi%20-%20IKT3%20Debeljak.pdf) (5 ECTS)
	+ [Seminar I](https://www.mps.si/dokumenti/predmeti/719/Seminar%20I%20-%20IKT3%20Debeljak.pdf) (10 ECTS)
	+ [Seminar II](https://www.mps.si/dokumenti/predmeti/898/Seminar%20II%20%28IKT3%29.pdf) (30 ECTS)
	+ [Seminar III](https://www.mps.si/dokumenti/predmeti/785/Seminar%20III%20%28IKT3%29.pdf) (10 ECTS)
	+ [Individual Research Work 1](https://www.mps.si/dokumenti/predmeti/472/Individualno%20raziskovalno%20delo%201%20%28SPL%29.pdf) (20 ECTS)
	+ [Individual Research Work 2](https://www.mps.si/dokumenti/predmeti/876/Individualno%20raziskovalno%20delo%202%20%28SPL%29.pdf) (30 ECTS)
	+ [Individual Research Work 3](https://www.mps.si/dokumenti/predmeti/727/Individualno%20raziskovalno%20delo%203%20%28SPL%29.pdf) (20 ECTS)
* Ecotechnologies:
	+ [Tools for the Environmental Quality Control](https://www.mps.si/dokumenti/predmeti/766/Orodja%20za%20nadzor%20kakovosti%20okolja%20%28EKO3%29.pdf) (10 ECTS)
	+ [Seminar I](https://www.mps.si/dokumenti/predmeti/738/Seminar%20I%20%28EKO3%29.pdf) (10 ECTS)
	+ [Seminar II](https://www.mps.si/dokumenti/predmeti/897/Seminar%20II%20%28EKO3%29.pdf) (30 ECTS)
	+ [Seminar III](https://www.mps.si/dokumenti/predmeti/774/Seminar%20III%20%28EKO3%29.pdf) (10 ECTS)
	+ [Individual Research Work 1](https://www.mps.si/dokumenti/predmeti/472/Individualno%20raziskovalno%20delo%201%20%28SPL%29.pdf) (20 ECTS)
	+ [Individual Research Work 2](https://www.mps.si/dokumenti/predmeti/876/Individualno%20raziskovalno%20delo%202%20%28SPL%29.pdf) (30 ECTS)
	+ [Individual Research Work 3](https://www.mps.si/dokumenti/predmeti/727/Individualno%20raziskovalno%20delo%203%20%28SPL%29.pdf) (20 ECTS)
* Sensor Technologies:
	+ [Metrology in Sensor Technologies](https://www.mps.si/dokumenti/predmeti/900/Meroslovje%20v%20senzorskih%20tehnologijah%20%28ST3%29.pdf) (5 ECTS)
	+ [Seminar I](https://www.mps.si/dokumenti/predmeti/729/Seminar%20I%20%28ST3%29.pdf) (10 ECTS)
	+ [Seminar II](https://www.mps.si/dokumenti/predmeti/901/Seminar%20II%20%28ST3%29.pdf) (30 ECTS)
	+ [Seminar III](https://www.mps.si/dokumenti/predmeti/731/Seminar%20III%20%28ST3%29.pdf) (10 ECTS)
	+ [Individual Research Work 1](https://www.mps.si/dokumenti/predmeti/472/Individualno%20raziskovalno%20delo%201%20%28SPL%29.pdf) (20 ECTS)
	+ [Individual Research Work 2](https://www.mps.si/dokumenti/predmeti/876/Individualno%20raziskovalno%20delo%202%20%28SPL%29.pdf) (30 ECTS)
	+ [Individual Research Work 3](https://www.mps.si/dokumenti/predmeti/727/Individualno%20raziskovalno%20delo%203%20%28SPL%29.pdf) (20 ECTS)
* Interdisciplinary courses:
	+ [Artificial Intelligence for Science](https://www.mps.si/dokumenti/predmeti/906/AI-for-Science%20%28SPL%29.pdf) (5 ECTS)
	+ [Economics and Society](https://www.mps.si/dokumenti/predmeti/875/Ekonomika%20in%20druzba%20%28SPL%29.pdf) (5 ECTS)
	+ [Science Communication Module 1: Popular Science Communication, Module 2: Scientific Publications and Project Proposals](https://www.mps.si/dokumenti/predmeti/725/Komuniciranje%20znanosti%20%28SPL%29.pdf) (5 ECTS)

For 2nd-cycle study programs the following courses are available to Erasmus+ exchange students:

* Nanosciences and Nanotechnologies:
	+ [Introduction to Nanosciences and Nanotechnologies](https://www.mps.si/dokumenti/predmeti/889/Uvod%20v%20nanoznanosti%20%28NANO2%29.pdf) (10 ECTS)
	+ [Fundamentals of Physics of Materials](https://www.mps.si/dokumenti/predmeti/841/Osnove%20fizike%20materialov%20%28NANO2%29.pdf) (10 ECTS)
	+ [Fundamentals of Materials Chemistry](https://www.mps.si/dokumenti/predmeti/850/Osnove%20kemije%20materialov%20%28NANO2%29.pdf) (10 ECTS)
	+ [Seminar I](https://www.mps.si/dokumenti/predmeti/845/Seminar%20I%20%28NANO2%29.pdf) (10 ECTS)
	+ [Seminar II](https://www.mps.si/dokumenti/predmeti/846/Seminar%20II%20%28NANO2%29.pdf) (10 ECTS)
	+ [Project: Individual Research/Project Work](https://www.mps.si/dokumenti/predmeti/880/Projekt%20Individualno%20raziskovalno%20projektno%20delo%20%28SPL%29.pdf) (20 ECTS)
* Information and Communication Technologies:
	+ [Contemporary ICT Approaches](https://www.mps.si/dokumenti/predmeti/873/Sodobni%20IKT%20pristopi%20-%20IKT2%20Debeljak.pdf) (5 ECTS)
	+ [Seminar I](https://www.mps.si/dokumenti/predmeti/711/Seminar%20I%20-%20IKT2%20Debeljak.pdf) (10 ECTS)
	+ [Seminar II](https://www.mps.si/dokumenti/predmeti/786/Seminar%20II%20%28IKT2%29.pdf) (10 ECTS)
	+ [Project: Individual Research/Project Work](https://www.mps.si/dokumenti/predmeti/880/Projekt%20Individualno%20raziskovalno%20projektno%20delo%20%28SPL%29.pdf) (20 ECTS)
* Ecotechnologies:
	+ [Basic Ecology and Ecotoxicology](https://www.mps.si/dokumenti/predmeti/734/Osnove%20ekologije%20in%20ekotoksikologije%20%28EKO2%29.pdf) (10 ECTS)
	+ [Seminar I](https://www.mps.si/dokumenti/predmeti/772/Seminar%20I%20%28EKO2%29.pdf) (10 ECTS)
	+ [Seminar II](https://www.mps.si/dokumenti/predmeti/739/Seminar%20II%20%28EKO2%29.pdf) (10 ECTS)
	+ [Project: Individual Research/Project Work](https://www.mps.si/dokumenti/predmeti/880/Projekt%20Individualno%20raziskovalno%20projektno%20delo%20%28SPL%29.pdf) (20 ECTS)

Other courses can also be selected when there are enough students enrolled. These courses are listed at <https://www.mps.si/en/studij/predmeti/>.

For more information please contact the IPS Secretariat at info@mps.si.