Create – Protect – Innovate: Bringing ideas to market. Part I

Karta opisu przedmiotu

Informacje podstawowe

Kierunek studiów prawo **Ścieżka** **Jednostka organizacyjna** Wydział Prawa i Administracji **Poziom kształcenia** jednolite magisterskie, IP and New Technologies **Forma studiów** studia stacjonarne **Profil studiów** ogólnoakademicki **Obligatoryjność** fakultatywny	**Cykl kształcenia** 2024/25 **Kod przedmiotu** **Języki wykładowe** Polski **Dyscypliny** Nauki prawne **Klasyfikacja ISCED** 0421Prawo

Okres Summer semester, III-V year of law, 1st year of IP and New Technologies	**Forma weryfikacji uzyskanych efektów uczenia się** egzamin **Sposób realizacji i godziny zajęć** [5 modules, 75 hours]	**Liczba punktów ECTS** [3]

Cele kształcenia dla przedmiotu

	Course "Create – Protect – Innovate: Bringing ideas to market" has been developed and is delivered by European Patent Office. It aims at providing comprehensive knowledge on patent law complementing existing IP education with hands-on practitioners' perspective based on case studies with focus on further commercialization. Part I of the course provides basic knowledge and focuses on patent essentials an patent information

Efekty uczenia się dla przedmiotu

Kod	Efekty w zakresie	Kierunkowe efekty uczenia się	Metody weryfikacji
Wiedzy - Student zna i rozumie:			

W1	The graduate knows and understands the current challenges of patent law	PRA_K3_W05	Written exam
W2	The graduate knows and understands the principles of obtaining patent protection, in particular in the context of innovative activities and commercialization processes	PRA_K3_W08	Written exam
W3	The graduate knows and understands the framework of European patent law	PRA_K3_W04	Written exam
Umiejętności - Student potrafi:			
U1	The graduate is able to convey knowledge and argue using specialized patent law terminology in English	PRA_K3_U04	Written exam
U2	The graduate is able to make a preliminary qualification for patent protection (search for patent information and assess patentability) and formulate a commercialization strategy	PRA_K3_U03	Written exam
Kompetencji społecznych - Student jest gotów do:			
K1	The graduate is ready to improve his/her competences in the field of innovation protection and commercialization	PRA_K3_K04	Written exam
K2	The graduate is ready to take a justified position on differences in the application of patent law	PRA_K3_K05	Written exam

Bilans punktów ECTS

Forma aktywności studenta	**Średnia liczba godzin* przeznaczonych na zrealizowane rodzaje zajęć**	
online lectures, video recordings	15	
preparation for classes	10	
judicature analysis	10	
legal text analysis	10	
self study	10	
online forum / office hours / consultations	8,5	
live sessions	4,5	
Exam	7	
Łączny nakład pracy studenta	**55 hours**	**2 ECTS**

Liczba godzin kontaktowych	20 hours	1 ECTS

* godzina (lekcyjna) oznacza 45 minut

Treści programowe

Lp.	Treści programowe	Efekty uczenia się dla przedmiotu
1	**Module I Introduction to IP** - provides an introduction to intellectual property rights (IPRs), why they exist and how they protect intangible assets. Case studies present examples of how IPRs are used in practice to protect some of the latest innovations and how IPRs can be integrated into the business strategy of a company. – The nature of knowledge and know-how – Legally protecting intangible goods – Different types of IP rights and their uses – Benefits of IP rights Case Studies: – Environmentally friendly closed-loop shower, invented by a European Inventor Award finalist – Woven carbon fibre materials with a range of applications, including to cover the rotor blades of Ingenuity, NASA's first helicopter deployed to Mars	W1, W2, W3, U1, U2, K2
2	**Module II: Patent essentials** Module II enables learners to gain a foundational knowledge of patents and the role that patents play in supporting innovation. The module also introduces learners to the concept of patentability, the substantive requirements for a patent application and how patent applications are examined in the patent grant process. Finally, learners are made aware of the benefits that the patent system brings to society and the economy. – What is a patent? – Role and relevance of patents – Patentability requirements – Exceptions and exclusions from patentability – The patent system and its role in fostering innovation and economic growth – Requirements for patent applications – What to consider before filing – What happens during the grant procedure Case Studies: – A process for turning pineapple leaves into a sustainable alternative to leather, invented by a European Inventor Award finalist – Flexible solar cells for portable devices, invented by winners of the European Inventor Award	W1, W2, W3, U1, U2, K2
3	**Module 3 Introduction to patent information** Module III provides an overview of patent information, beginning with the characteristics and structure of patent documents. Learners are familiarised with the difference between prior art and legal event data as well as the basics of patent searching and patent databases. Finally, learners are made aware of everyday situations in which patent information makes a difference. – Why patent information is important – The structure o f patent documents – The difference between prior art and legal event information – Everyday situations in which patent information matters – How to find and use patent information Case Studies: – Energy-saving rotary air compressor, invented by a European Inventor Award finalist – A method for producing gold nanoparticles using algae extract	W1, W2, W3, U1, U2
4	**Module 4 Patent information in practice** Module IV provides insights into how to use patent information in practice. In the light of several case studies, learners become familiar with how to design search strategies using EPO databases such as Espacenet. – The benefits of patent information in the innovation process – Prior art searches and patent monitoring in practice	W1, W2, W3, U1, U2

	– Freedom-to-operate analysis and patent intelligence in a nutshell Case Studies: – Fishing hook cover to save seabirds, invented by European Inventor Award Finalists – Sensor implants for improved blood glucose control – Electrolysers for hydrogen production	
5	**Module 5 Developing an IP strategy** Learners gain an understanding of the benefits of an informed IP strategy. They also learn how to develop their own IP strategy and how companies exploit, manage and commercialise their IP in order to be more competitive. – The importance of IP strategy – IP rights management – Patent filing strategy and action – Costs and benefits of IP rights – Commercialising IP Case Studies: – Flexible solar cells for portable devices, invented by winners of the European Inventor Award - Plus IP strategy aspects of: Magnetic nanoparticles to diagnose disease, invented by a European Inventor Award finalist and A process for turning pineapple leaves into a sustainable alternative to leather, invented by a European Inventor Award finalist	W2, U1, U2, K1

Informacje rozszerzone

Metody nauczania:

wykład konwencjonalny, wykład z prezentacją multimedialną, konsultacje, rozwiązywanie zadań, analiza przypadków, dyskusja, burza mózgów, analiza tekstów.

Rodzaj zajęć	Formy zaliczenia	Warunki zaliczenia przedmiotu
lecture with multimedia presentation, consultations, case analysis, discussion, text analysis	Written exam and quizzes	80% the final marked exercise (5 questions, marked from 1 to 5), 10% the quizzes at the end of each Module, 10% the participation to the forum discussion. EPO certificate to be downloaded after completion of all activities

Wymagania wstępne i dodatkowe

knowledge of English at level B2