

Doctoral seminar - opis przedmiotu

Informacje ogólne	
Nazwa przedmiotu	Doctoral seminar
Kod przedmiotu	13.2-WF-FiAT-DS-S16
Wydział	Wydział Fizyki i Astronomii
Kierunek	Fizyka i Astronomia
Profil	ogólnoakademicki
Rodzaj studiów	trzeciego stopnia z tyt. doktora
Semestr rozpoczęcia	semestr zimowy 2018/2019

Informacje o przedmiocie	
Semestr	8
Liczba punktów ECTS do zdobycia	2
Typ przedmiotu	obowiązkowy
Język nauczania	angielski
Sylabus opracował	prof. dr hab. Wiesław Leoński

Formy zajęć					
Forma zajęć	Liczba godzin w semestrze (stacjonarne)	Liczba godzin w tygodniu (stacjonarne)	Liczba godzin w semestrze (niestacjonarne)	Liczba godzin w tygodniu (niestacjonarne)	Forma zaliczenia
Seminarium	30	2	-	-	Zaliczenie

Cel przedmiotu

- To teach students how to prepare the presentation and show the results discussed in Ph.D. dissertations.
- Preparation for writing and editing Ph.D. dissertation.
- Gaining the ability of critical use of scientific articles and other materials.
- Acquiring the skills in using various databases and information systems.
- Broadening of already learned general knowledge, especially in the field of physics, astrophysics, and medical physics especially in topics related to the Ph.D. dissertation.

Wymagania wstępne

Skills and knowledge gained during completed courses of the studies.

Zakres tematyczny

- Topics of the contemporary research in physics (especially in the fields related to the Ph.D. dissertation).
- Currently used scientific literature databases and resources such as Scopus, Web of Science, arXiv, ADS, MathSciNet, etc.
- Fundamental and practical knowledge concerning copyright regulations.

Metody kształcenia

- Studies of scientific literature by the student.
- Preparing and demonstration by the student his (her) presentations, primarily related to the topics of the Ph.D. dissertation.
- Discussions concerning the content and form of materials presented by the students.
- Analysis of the possibility of using the results demonstrated by the students in the prepared dissertations.

Efekty uczenia się i metody weryfikacji osiągnięcia efektów uczenia się

Opis efektu	Symbole efektów	Metody weryfikacji	Forma zajęć
The student can use at least one foreign language and is skilled in English in such a way that can communicate with partners.	SD_W07	Preparing and demonstration students' presentations. Discussions during the seminar.	Seminarium
The student can formulate the research problem on his own, and propose and carry out the research to solve it.	SD_U01	Preparing and demonstration students' presentations. Discussions during the seminar.	Seminarium
The student has gained general and advanced knowledge in the field of physics and (or) astronomy, and specialist one related to the topics of his/her Ph.D. dissertation.	SD_W01	Preparing and demonstration students' presentations. Discussions during the seminar.	Seminarium
The student understands the most complex dependencies appearing in physics and (or) astronomy and in other affined fields (including the interdisciplinary relations).	SD_W03	Preparing and demonstration students' presentations. Discussions during the seminar.	Seminarium

Opis efektu	Symbole efektów	Metody weryfikacji	Forma zajęć
The student knows the latest theories, research methods and ideas in the field of physics and (or) astronomy, and specialist knowledge allowing him/her to create new theories.	• SD_W02	• Preparing and demonstration students' presentations. Discussions during the seminar.	• Seminarium
The student can critically compare obtained results to those of other researchers, and judge their quality and importance.	• SD_U02	• Preparing and demonstration students' presentations. Discussions during the seminar.	• Seminarium
The student knows the methodology of physics and (or) astronomy such a way that he/she is able to plan the way in which research problems will be solved.	• SD_W04	• Preparing and demonstration students' presentations. Discussions during the seminar.	• Seminarium
The student understands the need for continuous self-education and needs such process as the necessary condition of taking part in the scientific field development.	• SD_K01	• Preparing and demonstration students' presentations. Discussions during the seminar.	• Seminarium
The student can present the results of his research himself.	• SD_U03	• Preparing and demonstration students' presentations. Discussions during the seminar.	• Seminarium
The student has gained the necessary knowledge concerning copyright regulations, ethics, and rules determining the use of various scientific sources.	• SD_W09	• Preparing and demonstration students' presentations. Discussions during the seminar.	• Seminarium

Warunki zaliczenia

- Preparing and demonstration of reports related to the topics of the seminar. The number of such presentations defines the tutor during the first meeting with students.
- Active participations in discussions concerning demonstrated presentations.

Literatura podstawowa

1. Scientific articles recommended by the tutor.
2. Academic monographs devoted to the topics presented during the seminar.
3. Textbooks and articles devoted to the methods and technics applied during research performed by the students.
4. Materials which are available at the webpage arxiv.org.

Literatura uzupełniająca

none

Uwagi

none

Zmodyfikowane przez dr Joanna Kalaga (ostatnia modyfikacja: 29-08-2018 13:22)

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