

# Adam Mickiewicz University in Poznań

## Faculty of Chemistry

*HighChem - interdyscyplinarne i międzynarodowe studia doktoranckie z elementami wsparcia współpracy międzysektorowej*

### Effective Scientific Writing

Prof. Stefan Franzen

#### Researcher's workshop

<b>Field of science</b>	interdisciplinary
<b>Teaching method</b>	workshop
<b>Language</b>	English
<b>ECTS credits</b>	1
<b>Numbers of hours</b>	15 h
<b>Aims of the course</b>	To introduce students to elements of style, grammar, structure and specific requirements for a scientific publication. To give students practical help with their writing. To introduce basic ethical and philosophical considerations behind scientific writing.
<b>Course contents</b>	10 lectures on style, grammar and structure/ 2 practical workshops with students/3 lectures on ethics and writing philosophy
<b>Prerequisites and co-requisites</b>	None

#### Learning outcomes

On completion of the course PhD candidates will be able to:	Assessment mode
The graduate knows and understands the basic structure of a scientific publication. The graduate can write sample segments meeting the requirements for Abstract, Introduction, Methods, Results, Discussion and Conclusion	Writing samples
The graduate can identify common grammatical errors in non-native speakers of English that frequently appear in scientific journal articles	Quiz
The graduate knows how to conduct a thorough literature search and determine optimum search parameters	Class discussion
The graduate knows and understands importance of accurately describing research work and the ethical aspects of publication of false or plagiarized work	Class discussion
The graduate understands basic statistical methods most commonly applied in science and how they can be abused	Quiz
The graduate understands the basics of plagiarism detection software	Class discussion
The graduate is familiar with famous cases of scientific fraud and how	Class discussion



those have impacted publication standards		
The graduate understands intellectual property issues and the role they play in scientific publishing		Class discussion
The graduate can implement the effective writing methods taught in this course		Written assignment
<b>Literature</b>		
<b>Additional information</b>	<p>Website: <a href="http://stemed.site/NCSU/index.html">http://stemed.site/NCSU/index.html</a></p> <p><b>Schedule:</b> 09.12.2019, 10:00-12:15 (3h) 10.12.2019, 10:00-12:15 (3h) 11.12.2019, 10:00-12:15 (3h) 11.12.2019, 13:15-15:30 (3h) 12.12.2019, 10:00-12:15 (3h)</p>	