



## Adam Mickiewicz University in Poznań

Doctoral School of Exact Sciences AMU

### The social dimension of science

Ph.D. Tomasz Zgoła

Scientific lectures, workshops

<b>Field of science</b>	Interdisciplinary course
<b>Teaching method</b>	workshops
<b>Language</b>	English
<b>Numbers of hours</b>	
<b>Aims of the course</b>	<ol style="list-style-type: none"> <li>1. Acquiring knowledge on legal, ethical and other important determinants of scientific activity.</li> <li>2. Acquiring knowledge on the principles of disseminating the results of scientific activity, including issues related to the popularization of knowledge.</li> <li>3. Expanding skills in presenting research results and conducting scientific and popular science discussions.</li> <li>4. Expanding skills in the field of planning in a methodically correct way of popularizing activities and their implementation with the use of modern methods and tools.</li> <li>5. Learning about the principles of conducting scientific activity in accordance with the ethical principles of scientific work and interpersonal relations.</li> <li>6. Preparation for fulfilling social obligations, especially in the field of initiating activities for the public interest, including: through proper dissemination of scientific achievements in the community.</li> <li>7. Preparation for undertaking activities leading to the development of a civic society based on knowledge.</li> </ol>
<b>Course contents</b>	<ul style="list-style-type: none"> <li>- argumentation in a scientific discussion,</li> <li>- recognition and discussion of social determinants of popularization of knowledge,</li> <li>- preparation and presentation of a scientific concept in the form of workshops popularizing knowledge in various groups of recipients (children, adolescents and adults)</li> <li>- The Nuremberg Code - implications for ethically responsible research work,</li> <li>- defining the language of communication for various groups of recipients,</li> <li>- scientific argumentation and pseudoscientific argumentation - analysis and discussion in relation to selected examples.</li> <li>- guidelines for ethical scientific communication,</li> </ul>
<b>Prerequisites and co-requisites</b>	- no prerequisites
<b>Learning outcomes</b>	
E_W03, E_W04, E_W07, E_W08, E_U06, E_U10, E_K01, E_K02, E_K03,	
<b>On completion of the course PhD candidates will be able to:</b>	<b>Assessment mode</b>

<ul style="list-style-type: none"> <li>- define legal, ethical and other essential conditions for scientific activity,</li> <li>- implement in practice the principles of disseminating the results of scientific activity, taking into account issues related to the popularization of knowledge,</li> <li>- present the results of research and conducting scientific and popular science discussions.</li> <li>- plan in a methodically correct way of popularizing activities and their implementation with the use of modern methods and tools.</li> <li>- define and implement actions leading to the development of a knowledge-based civil society.</li> </ul>	<p>Work assessed during classes. The individual commitment of the scientist and group work, as well as a practical oral exam will be taken into account</p>
<b>Literature</b>	<b>Presentation with links to source materials</b>
<b>Additional information</b>	<p>Contact person: Ph.D. Tomasz Zgoła  <a href="mailto:tomasz.zgola@ppnt.poznan.pl">tomasz.zgola@ppnt.poznan.pl</a></p>