UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO
FACULTAD DE FILOSOFÍA Y LETRAS
INSTITUTO DE INVESTIGACIONES FILOSÓFICAS
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UNAM
POSGRADO
Filosofía de la
Ciencia

{minicurso}

INTRODUCTION TO FORMAL ARGUMENTATION

MATHIEU BEIRLAEN
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In this course we study a formal approach to argumentation that is firmly rooted in philosophy and popular in artificial intelligence. We start by looking at Dung's influential work on abstract argumentation frameworks. Such frame works can be represented in terms of argumentation graphs with arguments as nodes, and with argumentative attacks as vertices. We study different kinds of argumentative semantics that determine sets of 'acceptable' or 'justified' arguments relative to an argumentation graph. By way of application, we look at a re-interpretation of argumentation frameworks as dialogue games.

Next, we extend Dung's approach by adding logical structure to arguments and attacks between arguments. This results in much more sophisticated frame-works which we can evaluate in ways similar to (non-monotonic) symbolic logics.

We study and discuss the virtues and vices of the resulting 'structured' argumentation frameworks, and consider some open problems in the field.

Miércoles
24
OCTUBRE
16:00-20:00

**AULA
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