

Politechnika Rzeszowska
Differential Equations
Winter 2018

Instructor Information:

Instructor: Dr Nicholas Sedlmayr

Office: K47

Email: ndsedlmayr@gmail.com

Office Hours: Wednesday 10:30am - 12:00am, and Thursday 12:15pm - 13:45pm.

Course Web Page: See [this](#) page.

Class Time and Location: ?, K47

Course Content: The topics of this course include:

- partial differential equations of the first order, basic concepts, methods of solving;
- formulating and solving partial differential equations;
- partial differential equations of the second order, basic concepts, classification, types, examples;
- separation of variables;
- scalar and vector fields, e.g. Maxwell's equations; and
- applications in electric engineering, mechanics, and physics.

Grading: The course grade will be based on continuous assessment and a final oral exam.