

Elementary Analysis III Orientation

(Math 23)

July 18, 2026

About the Instructor

Peter John M. Burgos

`pjburgos@math.upd.edu.ph`

Office: MBAN 212

Consultation Hours: 12AM - 2AM Mon-Fri

For online consultations, to be discussed later.

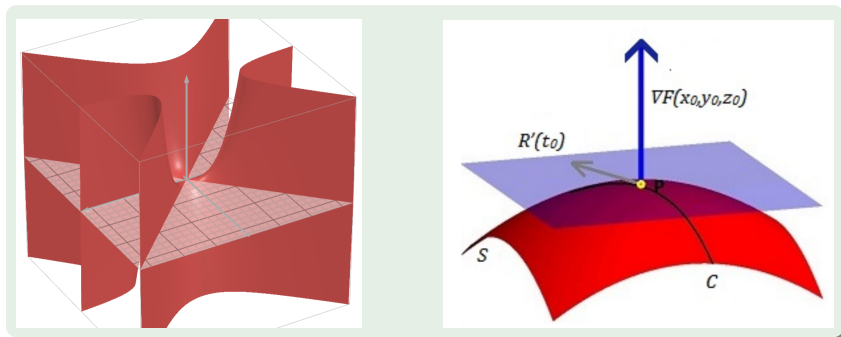
Online Course Components

We will use **Discord** as our main mode of communication. For announcements, uploading of files, and online consultations.

For messages other than lesson questions or consultations (ex. request for LOA, sending of medical slip for excused absence), please contact me formally through **e-mail** instead.

About the Course

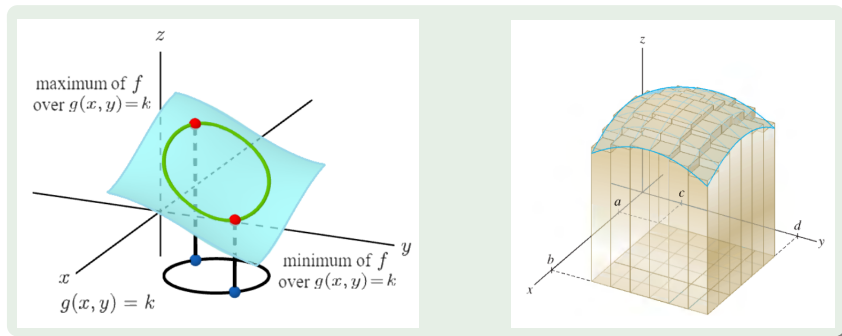
Throughout the semester we will study...



...multivariable functions and their derivatives.

About the Course

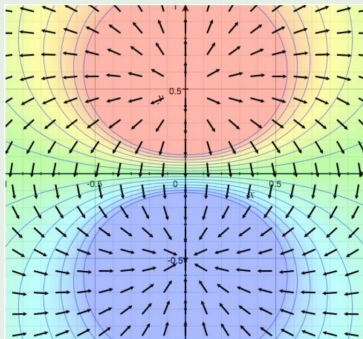
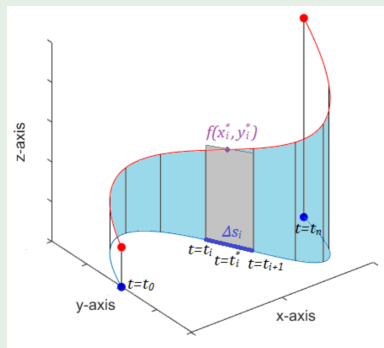
Throughout the semester we will study...



...applications of multivariable derivatives and integrals.

About the Course

Throughout the semester we will study...



...different types of three-dimensional integrals and vector calculus.

About the Course

Throughout the semester we will study...

$$\oint_C \vec{F} \cdot d\vec{R} = \iint_S (\vec{\nabla} \times \vec{F}) \cdot \vec{n} d\sigma$$
$$\oiint_S \vec{F} \cdot \vec{n} d\sigma = \iiint_G \vec{\nabla} \cdot \vec{F} dV$$

...fundamental relationships between different integrals.

Requirements

- **Seatwork - 10%.** To be done daily. By **pair**. Please tell me your pair at the end of class.
- **Four Long Exams - 15% each.** 80 minutes long. If you miss an exam with a valid excuse, your final exam grade will be used (valid for only one long exam). Otherwise, zero.
- **Final Exam (required) - 30%.** 2 hours long. If you miss the final exam with a valid excuse, a grade of INC will be given, provided the student has a passing pre-final grade.

Requirements

Q: What if I missed a long exam and also missed the final exam?

A: **You get zero for both.**

So try not to be absent during exams!

Conduct of Classes

- Monday to Friday, 2:45 PM - 5:20 PM. Face-to-face, except for lessons coinciding with exam days.
- Classes will start **exactly** at 2:50PM.
- One rest day before each exam day.
- Maximum of **3 absences**. Should this be exceeded,
 - If majority are excused, **forced drop** from the course.
 - Otherwise, **5.00**.

This rule may be relaxed depending on the student's circumstances.

Regarding this Course

- Many of you will struggle in this course. **But that is the point.**
- To learn mathematics, **you must do mathematics.**
- **You are encouraged to ask questions and criticize me,** but do so respectfully.
- If you are struggling with the lessons or unable to attend classes, **reach out to me.**

Any questions?

Speak now or forever hold your peace.

Take-home Tasks

- Join our class Discord server and explore the channels there.
- Read the detailed course guide and paced syllabus (found at the #resources forum of our Discord server)
- Enrol in the general Math 23 course page (repository of relevant materials).

UVLê Course Name: Math 23 (Elementary Analysis II).

Enrolment Key: Math23