

Spring
2022

Formal Logic I: Categorical Logic

Mrs. Barnosky

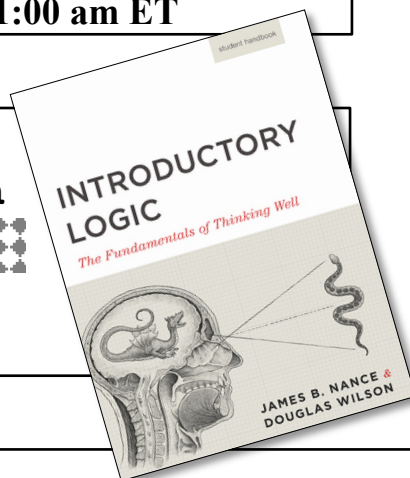
Wednesdays @ 11:00 am ET

*Introductory Logic: The Fundamentals of
Thinking Well* (2014, 5th ed)
by Nance & Wilson [Student Edition,
ISBN-10: 1591281652]

Talk
to
me!

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Input = Output

You know those classes where you just show up and the teacher pours information into your brain? This is *not* that class! I will do everything in my power to make your learning easier – from automated quizzes to review games and interactive feedback.

You, however, will need to step up... and keep up with your work load. If you come to class prepared, you'll get *much* more out of it!

Be present ~ attend class (or watch the recording)

Be diligent ~ work hard, don't just check boxes

Be active ~ log in regularly and participate fully

Be clear ~ communicate regularly with your classmates, your parents, and your instructor

• **Study** •

In this class we study “the art and science of reasoning well” and discover that **accurate facts are not enough... valid reasoning is just as important!** We will start off by defining terms, forming and interpreting statements, and composing valid syllogisms. Next we'll use these skills to analyze arguments and prove validity.

Formal Logic I: Categorical Logic encourages students to expand the “generally good” standard of inductive reasoning to the full certainty of deductive reasoning. Deductive Logic is foundational to subjects ranging from debate to geometry, computer programming, and professional investigation.

“Logic is the beginning of wisdom,
not the end.” Mr. Spock

Be Prepared

You will need textbooks, notebook, paper, writing implements, et cetera.

Come to class prepared:

- ☐ with your textbook
- ☐ with your notebook and homework
- ☐ ready to engage
- ☐ willing to focus
- ☐ with respect and kindness



Quizlet?
flash cards?
printables?
activities?
games?

Join!



Do you have technology questions?

Contact My Fun Science Tech Support at:

<https://myfunscience.com/contact-us/>

There are other great resources at:

<https://myfunscience.com/student-orientation/>



PowerSchool Learning (PSL) Classroom

The asynchronous (anytime) components of our class are located within our PowerSchool Learning classroom. It is accessible 24/7, and includes a wealth of resources to encourage and inform student learning. If you're chatting with an old timer, they might refer to PSL as "the Learning Management System formally known as Haiku."

- ☐ The **Welcome** page contains a link to our classroom, announcements, and syllabus.
- ☐ The **FAQ** page hosts several resources. Just click on the "greater than" sign to expand.
- ☐ **Weekly** pages contain a block summarizing all work expectations for the coming week. This is the "[one block to rule them all](#)"! Each page also contains the recording of our live class as well as links to that week's videos, resources, assignments, assessments, and/or discussions. Often there's "extra" material that's available for further learning or fun.

Be sure to monitor your "**Gradebook**" tab! Your **settings** are in the upper right-hand corner :)

Welcome!

> [F.A.Q.]

Week 21 ~ Feb 13 :)

Week 20 (Feb 6)

T.e.c.h.n.o.l.o.g.y T.o.o.l.s.

Zoom Meeting

Our synchronous (live) class meetings will take place within a Zoom meeting room. We will meet for a single ~ 90-minute class session each week. Attendance is optional but strongly encouraged. Live classes will include lectures, discussions, games, simulations, and both individual and group activities. The ability to interact with classmates and ask me questions in real-time? Priceless!

You
need:

- ☐ Stable Internet connection (2-5 Mbps download speed minimum)
- ☐ Solid audio functionality (preferably with microphone)
- ☐ Flexibility (most glitches are easily solved with an update or cache clearing)

Zoom has a great support page at <https://support.zoom.us/hc/en-us/categories/200101697-Getting-Started>. Please visit Zoom's test classroom (<https://zoom.us/test>) in order to install the Zoom software and configure your settings. Please use your first name and state as your Zoom name, ie "Buffy - CA" or "Clark - KS."



Syllabus
revision
date:
01-15-2021

Spring 2022

Classes Start: *Week of January 10th*

Spring Break: *Week of February 21st*

Easter Break: *Week of April 11th*

Classes End: *Week of May 2nd*



Absence? Illness?

Missing Class? No problem! That's why I post the recordings. You are responsible for announcements and content. . . whether or not you are present for our live class meeting :)

Merriam-Webster defines an **emergency** as "is a serious, unexpected, and often dangerous situation requiring immediate action." If you are stricken by illness or emergency, please have a parent contact me as soon as possible. I will offer what grace I can.

Vacations, part-time jobs, and busy schedules are *not* considered emergencies. Plan ahead and contact me *ahead of time* with specifics if you would like a schedule accommodation. I'll do what I (reasonably) can.

Semester Scope & Sequence

Class 1 Lessons 1-5; Ex#1-5; Intro

Class 2 Lessons 6-8; Ex#6-8

| | |
|-----------------|--|
| Class 3 | |
| Class 4 | |
| Class 5 | |
| Class 6 | |
| Class 7 | |
| Class 8 | |
| Class 9 | |
| Class 10 | |
| Class 11 | |
| Class 12 | |
| Class 13 | |
| Class 14 | |

Class 15 Review, Study; Test #5 (Unit 5)



This class is partially "flipped". That means that we'll spend our class time on fun, interactive learning... and leave the "talking head" lectures at home!

We *will* dig in to new topics in class, but I'll also provide direct instruction in brief, **custom** videos that I've created for each lesson.

This way you can spend extra time on trickier lessons... and our class time is reclaimed for more community pursuits. **You are responsible for reading, taking notes, and studying each lesson and its vocabulary.**

You are responsible for all of the lesson content that is contained within these **"flipped videos"**.

"For God has not given us a spirit of timidity, but of power and love and discipline."

2 Timothy 1:7

- Tests -

There will be Chapter Tests every few weeks, as noted on our schedule. They will be *generously* timed and open for three (3) days.

Don't panic! Just understand (and memorize) definitions. Study your notes. Practice your skills. Work the Chapter Review. Review your quizzes. . . and ask questions!

Tests will have both "computer graded" and "hand-graded" components.

Grading Policies

- Quizzes -

Quizzes are for you. They tell you whether you *really* know what you *think* you know! Every week there's a *short* quiz covering the previous week's lessons.

Quizzes are generously timed, open for a full week... and you can take them a second time!

Study smart. If you're still looking back at your notes or textbook in order to get through the homework problems, you're just not ready. Practice. Study. Ask.

Once complete, you may use the password "review" in order to see your, and the correct, answers. Quizzes are a great way to focus your studying and ensure mastery.

Academic Dishonesty

Every academic and professional environment takes issues of cheating and plagiarism *very* seriously. Do not "Google" the test questions or submit another person's work as your own. Refer to Plagiarism.org for more information.

Do not lie about your homework completion.

If I suspect that cheating or plagiarism has occurred, I will notify you and your parents and issue you a grade of zero on that assignment, assessment, or discussion. If cheating, or plagiarism, occurs again, action will be taken which could include dismissal from the course.

A (100-90) B (89-80) C (79-70) D (69-60) F (0-59)

Do I drop the lowest grade in each category?

Yes. Yes I do.

Homework ✓ Check

Each week, for each lesson, you're going to read the textbook and take great notes. Be sure to watch the "flipped" videos and study our vocabulary as well!

Next, you'll:

1. Complete all homework, showing any needed work.
2. *Visibly* check, or have checked, each question.
3. Rework any incorrect question

Once you've completed the homework, scan it in and submit it into the dropbox... in a *single PDF* file.

Most college classes include a formal, graded "**discussion**" component. . . and so does this one!

- ✓ Initial posts should be completed by **Saturday**.
- ✓ All posts should be thoughtful.
- ✓ Responses should advance discussion.
- ✓ Don't leave your teammates hanging.
- ✓ Use your best spelling, grammar, and mechanics.
- ✓ Respect your fellow students.

Discussions are graded with their own, posted, rubric. Generally, you will earn an "A" for amazing work that exceeds expectations, "B" for a good job that fulfills all standards, "C" if you barely squeaked by, and "D" or "F" if you were clearly just phoning it in.

They're part of your "Homework" grade.

YOUR GRADE

