



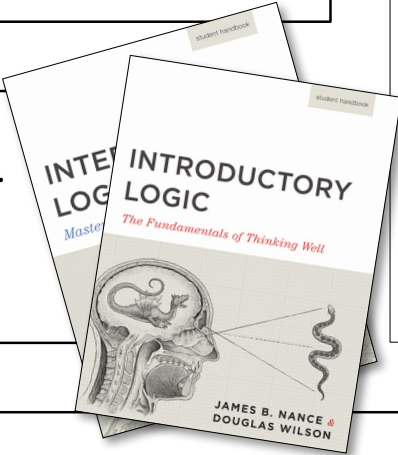
# FORMAL LOGIC

Mrs. Barnosky  
Wednesdays @ 11-12:30

*Introductory Logic: The Fundamentals of Thinking Well* (2014, 5th ed) by Nance & Wilson [Student Edition, ISBN-10: 1591281652] **and** *Intermediate Logic: Mastering Propositional Arguments* (2014, 3rd ed) by Nance & Wilson [Student Edition, ISBN-10: 1591281660]

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 those skills to analyze arguments and prove validity. Mid-year we will transition to more symbolic logic as we study truth tables, inference, validity, and even digital logic! Finally, we'll apply our symbolic reasoning skills to the analysis of real-life arguments. Nance's logic texts do an excellent job of breaking down the fundamentals of rational thought and this edition has been revised and reformatted for ease of use. Deductive Logic is foundational to subjects ranging from debate to geometry, computer programming, and engineering.


"Logic is the beginning of wisdom, not the end." Leonard Nimoy

**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!**

<https://quizlet.com/join/VcnSe7CBD>

This block here?  
It's going to contain information about the registration process, tutorials, and helps available on **MyFunScience.com**.

*Eventually : )*



### 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."

Welcome!

> [ F.A.Q. ]

Week 21 ~ Feb 13 :)

Week 20 (Feb 6)

- 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. There may be some "extra" material that's for further learning or fun.

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

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

### Adobe Connect

Our synchronous (live) class meetings will take place within Adobe Connect. 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 a Flash update or cache clearing)

Please be sure that your computer and Adobe Flash is up-to-date before classes begin. You can test your Adobe readiness at [https://na1cps.adobeconnect.com/common/help/en/support/meeting\\_test.htm](https://na1cps.adobeconnect.com/common/help/en/support/meeting_test.htm) . If you have questions, concerns, or issues related to class meetings or login, please chat with Adobe Support at <https://helpx.adobe.com/adobe-connect/kb/connect-chat-support.html> or send an email to **xxxxxxx**.



Syllabus  
revision  
date:  
2-21-17

Fall 2017 ~ not quite final : )

First day of class: Wednesday, August 23

Fall Break: October 8 - 14

Thanksgiving Break: November 19 - 25

Final class: Wednesday, December 13

Spring 2018 ~ not quite final : )

First day of class: Wednesday, January 10

Winter Break: February 18 - 24

Easter Break: March 25 - 31

Final class: Wednesday, May 2



## 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.

### Introductory Logic

- Class 1 Lessons 1-5; Ex#1-5; Intro
- Class 2 Lessons 6-8; Ex#6-8
- Class 3 Lessons 9-12; Ex#9-12; **Test #1 (Unit 1)**
- Class 4 Lessons 13-14; Ex#13-14
- Class 5 Lessons 15-18; Ex#15-17
- Class 6 Lessons 19-20; Ex#18-19; **Test #2 (Unit 2)**
- Class 7 Lessons 21-24; Ex#20-22
- Class 8 Lessons 25-26; Ex#23-25
- Class 9 Lesson 27; Ex#26-27; **Test #3 (Unit 3)**
- Class 10 Lessons 28-30; Ex#28-31
- Class 11 Lessons 30-32; Ex#32-35
- Class 12 Study, Review, **Test #4 (Unit 4)**

### Intermediate Logic

- Class 13 Lessons & Ex#1-3
- Class 14 Lesson & Ex #4-5
- Class 15 Lesson & Ex#6-7a **Test #5 (Lessons 1-5)**
- Class 16 Lessons & Ex#7b & 8
- Class 17 Lessons & Ex#9-11
- Class 18 Lesson & Ex#12
- Class 19 Lessons & Ex#13-14 **Test #6 (Unit 1)**
- Class 20 Lessons & Ex#15-17a
- Class 21 Lessons & Ex#17b-19
- Class 22 Lessons & Ex#20-21
- Class 23 Lessons & Ex #22-23; **Test #7 (Unit 2)**
- Class 24 Lessons & Ex#24-26
- Class 25 Lessons & Ex#27-28b
- Class 26 Lessons & Ex#28c-29; **Test #8 (Unit 3)**
- Class 27 Lessons & Ex#30-32
- Class 28 Lessons & Ex #33-36; **Test #9 (Unit 4)**
- Class 29 Lessons & Ex#37-40
- Class 30 Review, Study; **Test #10 (semi-cumulative)**



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

I will introduce new topics in class, but provide most 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 2-3 weeks, as noted on our schedule. They will be *generously* timed and open for a three-day window.

Don't panic! Just memorize formulas and definitions. Study your notes. Practice your skills. Work the review and study guide. Review your quizzes. . . ask questions!

Tests will have both "computer graded" and "hand-graded" components... and **prompt submission of your test work is mandatory.**

# Grading Policies

## - Quizzes -

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

*Quizzes are generously timed and open for a full week.*

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 topical mastery.

## Academic Dishonesty

Every academic and professional environment takes issues of cheating and plagiarism *very* seriously.

Do not "Google" the test questions. Do not submit another person's work as your own. Do not skip problems just because they're tricky. Please refer to Plagiarism.org for more information.

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 (out of 40 points) 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

