

# DAT/OAT Bootcamp

Summer Semester

May 27 - Aug 09 @ Snug Harbor

You must have the 2019 DAT(OAT) Destroyer and 2019 Math Destroyer

[Buy books here](#)

*We DO NOT have the books in the office*

## PAYMENT REQUIRED AT FIRST CLASS

\$100 - first class payment

\$200 - 2 math classes (these are a part of the course, paid upfront and non-refundable)

\$200 - deposit towards the last 2 classes, non-refundable

Initial amount due: **\$500**

Each class is \$100 thereafter, 2 classes a week

**1. Group 1 -May 27 – August 7 \$100 each class**

Mon & Wed, 3:30pm-7:30pm

Required 2 Math classes:

Will be held at different times, on those weeks you will meet 3 times TBA

**2. Group 2 -May 28 – August 8 \$100 each class**

Tues & Thurs., 9:30am-1:30pm

Required 2 Math classes:

Will be held at different times, on those weeks you will meet 3 times TBA

**\*\*No class will be held on July 4th the class for this week only will be held on July 1 Monday same time**

**3. Group 3 -May 29 – August 9 \$100 each class**

Wed & Fri, 9:30am-1:30pm

Required 2 Math classes:

Will be held at different times, on those weeks you will meet 3 times TBA

**\*\*No class will be held on July 5th the class will be on July 8th same time**

**\*\*\*\*If you are an OAT Student let me know, different times will be set for the Physics Classes**

# **OPTIONAL CLASSES**

## **OPTIONAL – Math INTENSIVE (these are not the classes you have paid for)**

Sunday, June 30, 10-4pm, Optional Math Intensive Class

All materials are provided Total Cost \$150

MATH INTENSIVE CLASS will start with very basic math concepts (fractions, conversions, complex equations, few computational tricks without the use of a calculator. Some of you may find this very easy, however based on my experience working with hundreds of students I concluded that many students lack the understanding of basic concepts. Unfortunately, this has substantially lowered their score. The goal of this class is to strengthen students' understanding of basic mathematics and prepare them for the main math classes that are fast paced. Next, I will cover complex mathematical equations, logs and exponents Afterwards I will spend some time on word problems involving rates, coins dilutions, and age computation. If we have extra time, we will do as many problems as possible from the math destroyer.

Prof. Denis Barengolts.

## **OPTIONAL – PAT(DAT students only)**

Sunday, July 15,10-4pm OPTIONAL PAT (email for more info and to register)

All materials are provided Total Cost \$150

The Perceptual Ability Test (PAT) is perhaps the most bizarre section of the DAT. It is a measure of your ability to perceive and consider two- and three-dimensional forms and is probably unlike any other type of test you have taken. The test is composed of six parts that appear in the following order: aperture passing, orthographic projection, angle discrimination, paper folding, cubes, and form development. The PAT is administered second, directly following the Survey of Natural Sciences. There is a total of 90 questions, divided evenly among the six parts. Although there are 90 questions, only 75 of them are scored. The remaining 15 are experimental questions that are scattered randomly through the PAT sections. You will not be able to identify these experimental questions. You are given 60 minutes to complete 90 questions. Considering the allotted time and the number of test questions, you have an average of 40 seconds per question and an average of ten minutes to complete each section. You will quickly come to learn that perceptual ability is not something you either have or do not have. It is a quality that can be developed and enhanced through training.

- ❖ Orthographic Projections and Angle Ranking
- ❖ Aperture Passing and Cubes
- ❖ Paper Folding and Form Development

Every section will be explained in detail. Numerous tests like questions will be distributed. The questions are broken down into types. This will allow you to recognize which types of problems you are best at. Within the PAT exam you will notice you will have strengths and weaknesses. Recognizing them will enable you to use your time wisely on test day. The biggest hurdle in this section is the timing. You want to give more time to the questions you are more likely to get correct and less time on the questions that give you difficulty. Overall the components that you need to perfect are: visual perception and visual and mental imagery. Even if you have perfect vision, you will find that discipline and practice are needed in order to perceive minuscule details. The practice problems distributed in class will aid greatly in this process.