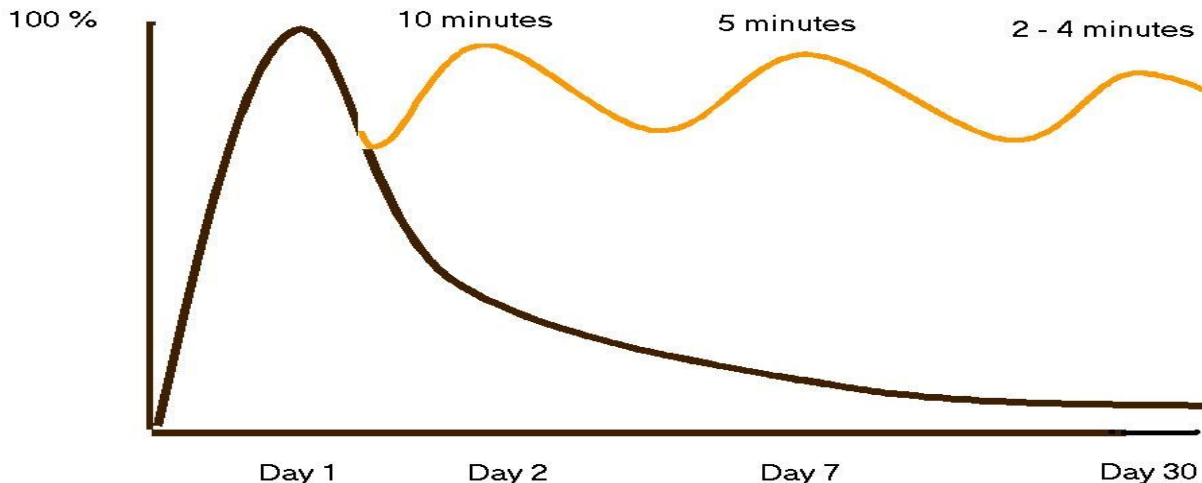


The Curve of Forgetting

The Curve of Forgetting describes how we retain or get rid of information that we take in. It's based on a one-hour lecture.



On Day 1, at the beginning of the lecture, you go in knowing nothing, or 0%, (where the curve starts at the baseline). At the **end of the lecture** you know **100% of what you know**, however well you know it (where the curve rises to its highest point).

By Day 2, if you have done nothing with the information you learned in that lecture, didn't think about it again, read it again, etc. you will have **lost 50%-80%** of what you learned. Our brains are constantly recording information on a temporary basis: scraps of conversation heard on the sidewalk, what the person in front of you is wearing. Because the information isn't necessary, and it **doesn't come up again**, our **brains dump it** all off, along with what was learned in the lecture that you actually do want to hold on to!

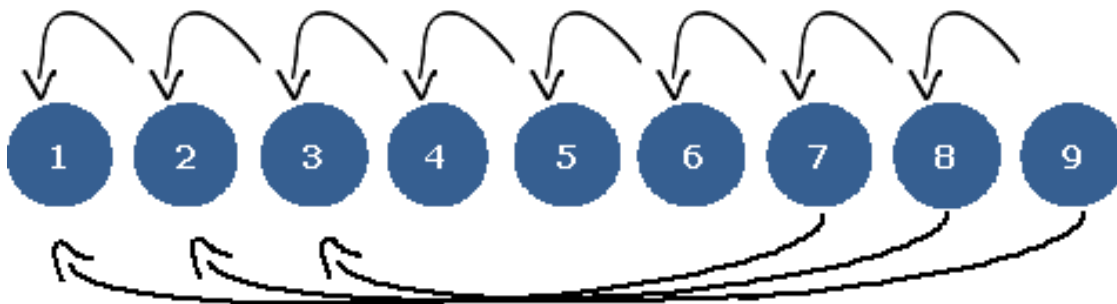
By Day 7, we remember even less, and **by Day 30**, we **retain about 2%-3%** of the original hour! This nicely coincides with midterm exams, and may account for feeling as if you've never seen this before in your life when you're studying for exams - you may **need to actually re-learn** it from scratch.

You can change the shape of the curve! A big **signal to your brain to hold onto** a specific chunk of information is if that information **comes up again**. When the same thing is repeated, your brain says, "Oh-there it is again, I better keep that." When you are exposed to the same



information **repeatedly**, it takes less and **less time to "activate"** the information in your long term memory and it becomes **easier** for you to **retrieve** the information when you need it.

Here's the formula, and the case for making time to review material: **Within 24 hours** of getting the information - spend **10 minutes reviewing** and you will raise the curve **almost to 100% again**. A **week later (Day 7)**, it only takes **5 minutes to "reactivate"** the same material, and again **raise the curve** (see diagram below). By **Day 30**, your brain will only need **2 - 4 minutes** to give you the feedback, "Yup, I know that. Got it."



Often students feel they can't possibly make time for a review session every day in their schedules - they have trouble keeping up as it is. However, this review is an **excellent investment of time**. If you **don't review**, you will need to spend **40-50 minutes re-learning each hour** of material **later** - do you have that kind of time? Cramming rarely plants the information in your long term memory where you want it and can access it to do assignments during the term as well as be ready for exams.

Depending on the course load, the **general recommendation** is to spend **half an hour or so every weekday**, and **1½ to 2 hours every weekend** in review activity. Perhaps you only have time to review 4 or 5 days of the week, and the curve stays at about the mid range. That's OK, it's a lot better than the 2%-3% you would have retained if you hadn't reviewed at all.

Many students are amazed at the difference **reviewing regularly** makes in **how much** they understand and **how well** they **understand and retain** material. It's **worth experimenting for a couple weeks**, just to see what difference it makes to you!

If you would like more information on how to incorporate these strategies into your study routine visit a success coach. To book an appointment, visit the student success office (2nd floor of south campus hall) or call 519-888-4567 ext. 84410.

Adapted from - University of Waterloo Counselling Resources.