ASTRO 1020 Lab

L6: Galaxy Classification

Grading

- All labs are scaled to be graded out of **10 points***

Points per question	Description
1.0	A correct answer **with** units **and** work shown. Answers that don't require work will be **graded on completion**
0.8	A correct answer **without** units or work shown
0.6	An incorrect answer **with** units **and** work shown
0.4	An incorrect answer **without** units or work shown
0.2	Some work shown **without** an answer
0.0	Not Attempted

Lab Schedule

| Lab	Dates	Topic
~~LAB 1~~	~~Sept 9 – 13~~	~~Sun~~
~~LAB 2~~	~~Sept 16 – 20~~	~~Spectra~~
~~LAB 3~~	~~Sept 23 – 27~~	~~Binary Stars~~
~~LAB 4~~	~~Sept 30 – Oct 4~~	~~Period Luminosity~~
~~LAB 5~~	~~Oct 7 – 11~~	~~Hubble's Law~~
LAB 6	Oct 14 – 18	Galaxy Classification
LAB 7	Oct 21 – 25	Tully-Fisher Relation
LAB 8	Oct 28 – Nov 1	Star Clusters & Supernovae
LAB 9	Nov 4 – 8	Black Holes
Semester Project	Nov 18 – 22	

Things you need to know for Lab 6

- Different types of galaxies
- Finding percentages
- The age of the Universe: **13.8 billion years**
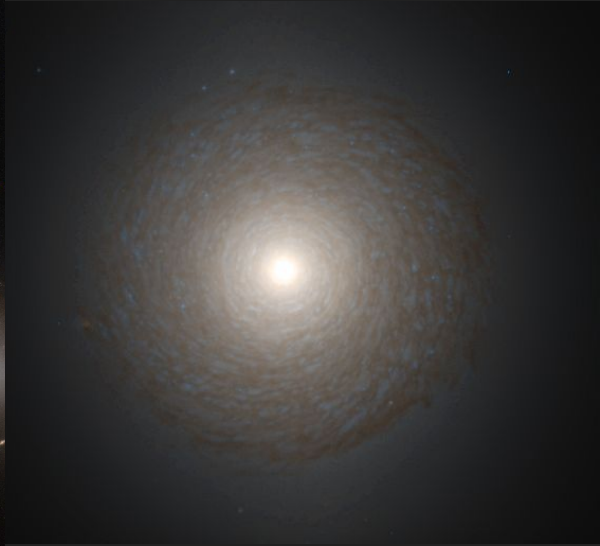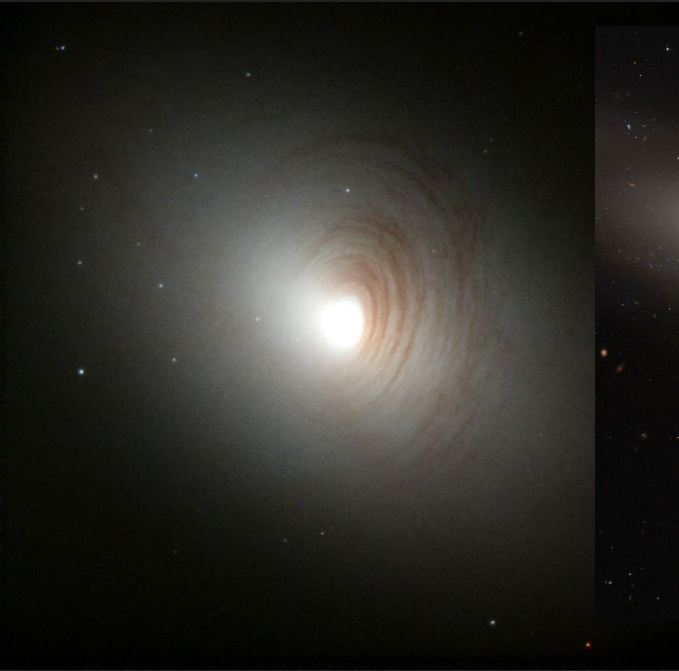
Types of Galaxies
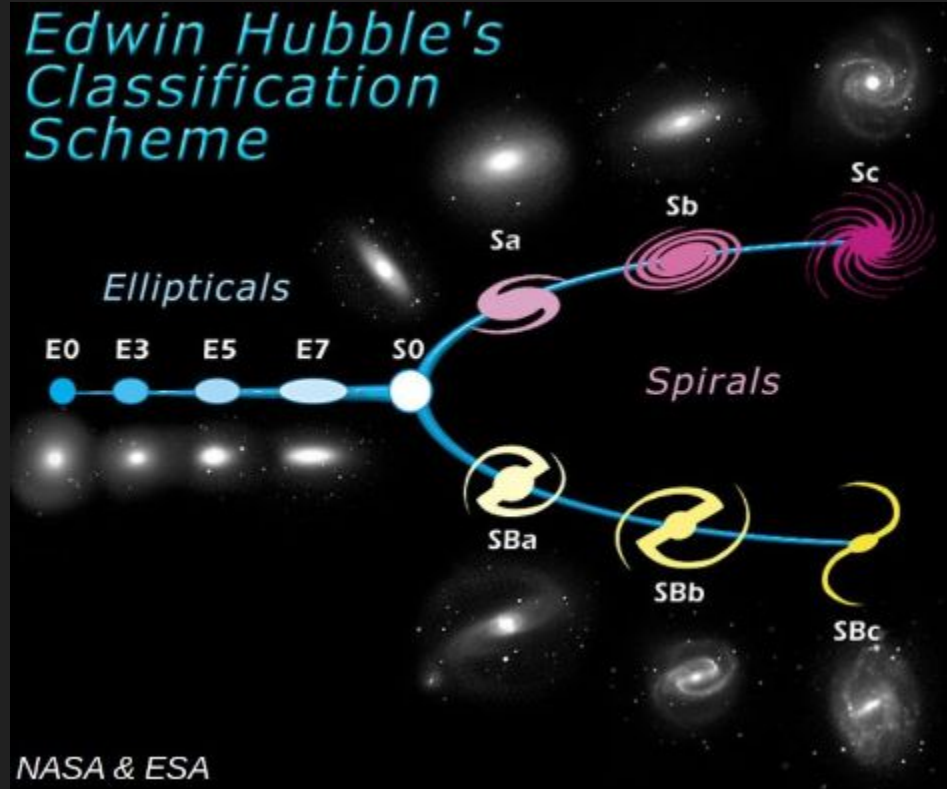
Elliptical Galaxies
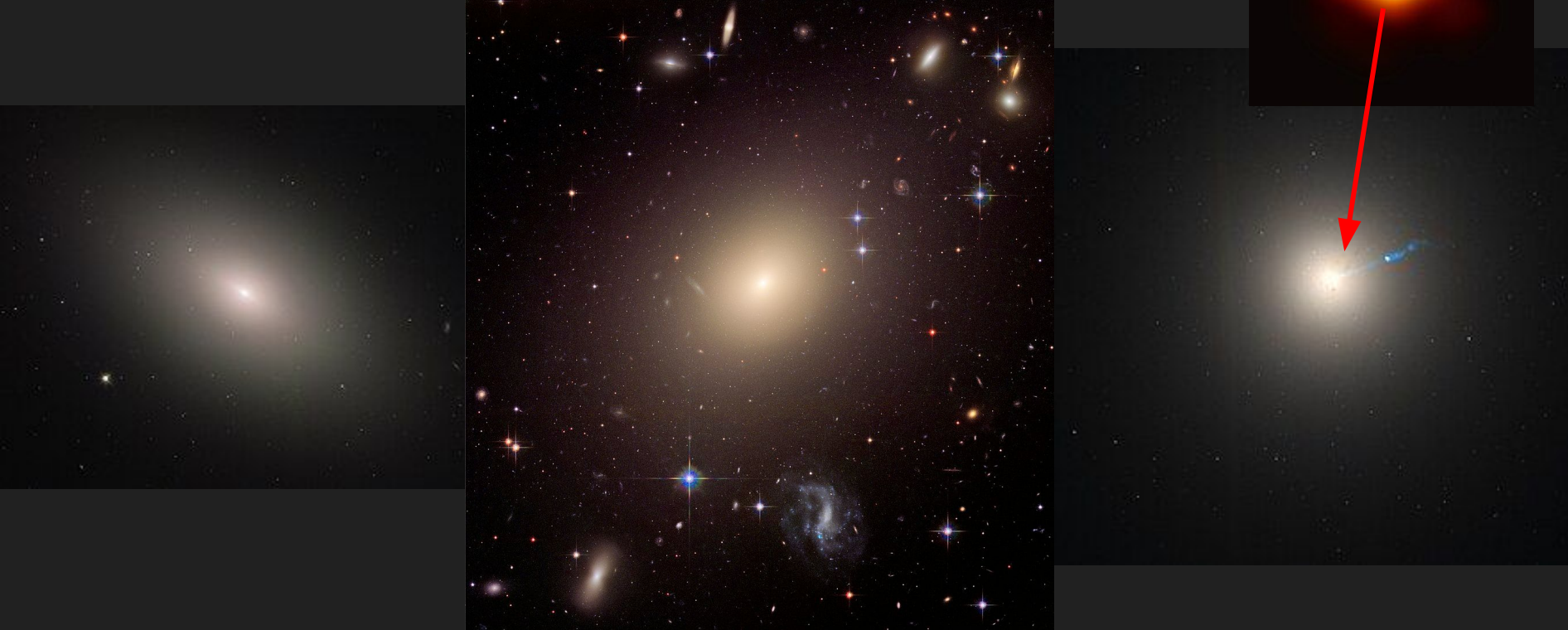
Spiral Galaxies

Lenticular Galaxies

Irregular Galaxies

Finding percentages

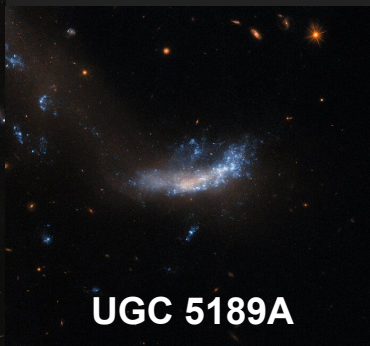- What percentage of 20 is 5?

$$\frac{5}{20} \cdot 100$$
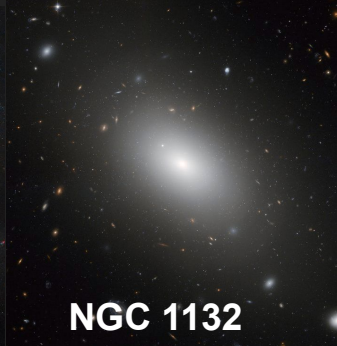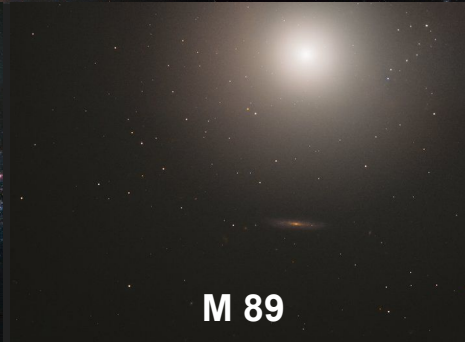
$$= 25$$

NGC 4490

UGC 2885

UGC 5189A

NGC 3059

NGC 1132

NGC 4449

NGC 4621

M 83

M 89

NGC 2985

NGC 6861

NGC 3558 [L]
LEDA 83465 [R]

NGC 6684

NGC 691

Questions?