



Welcome to
ANTH101
Introduction to Biological
Anthropology



ANTH101-04 (17248), ANTH 101-51 (16611),
ANTH 101-52 (17122), ANTH 101-53 (17467)

Course website on Titanium

Instructor: Dr. Eric Schniter

Email: eschniter@fullerton.edu

Twitter: [@Sp2019BioAnth](https://twitter.com/Sp2019BioAnth)

Office: LH-647

Office hours: Tuesdays & Thursdays 5:15 – 6:15 PM.

Lecture plan:

- Announcements
- What is a primate?
- Primate Taxonomy overview
- Watch: BBC – Life – Primates
https://archive.org/details/LifeBBCDocuments/2009/20090226/BBC-Life-v01e10-Primates_2009_HDTV_720p_x264_AAC3.mp4
and various other primate clips

Announcements:

- Labs now graded
 - Feel free to discuss points awarded in office hours
- Exams now graded
 - “Difficult” questions will be reviewed in class today
 - Feel free to review exam questions during office hours

What picture comes to mind
when you hear “primate”?



Which of these
animals are
primates?



Galago



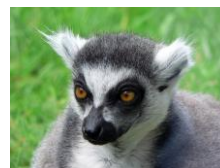
Possum



Tarsier



Potto

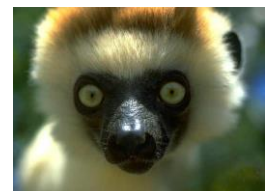


Lemur



Red Panda

Which of these
animals are
primates?



Sifaka



Gorilla

What features do primates share?



Mandrill



Capuchin



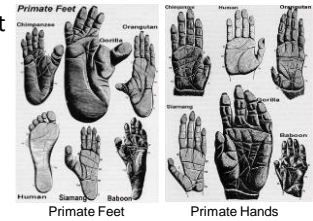
Macaque



Orangutan

Primate hands and feet are adapted for grasping

- Opposable big toes and thumbs
- Flat nails, not claws
- Locomotion is hind-limb dominated, e.g. VCL



Hind-limb dominance

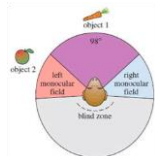
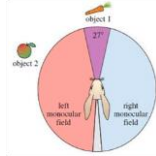


Gorilla hand

Primates have improved vision, and a reduced sense of smell



- Dry nose
- Eyes face forward
- Binocular vision
- **Stereoscopic vision**



Primates have a slower life history than similarly-sized mammals

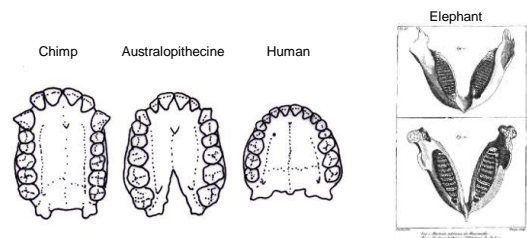
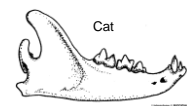
	<u>Baboon</u>	<u>Wolf</u>
Smaller litters	1	4 – 7
Longer pregnancy	180 days	60 days
Longer juvenile period	3 – 5 years	2 years
Longer lifespan	35 years	10 years



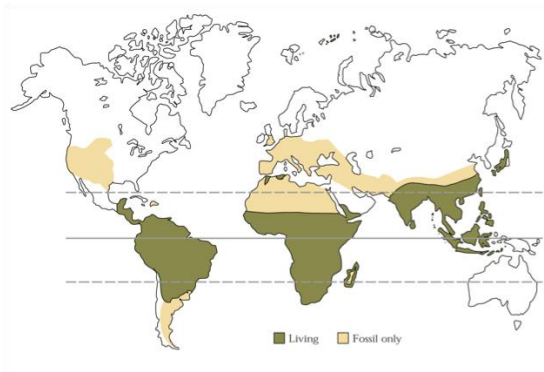
Most primates live in groups



Primates have a generalized dentition



Most primates live in tropical forests



Hamadryas baboons in semi-desert and rocky areas



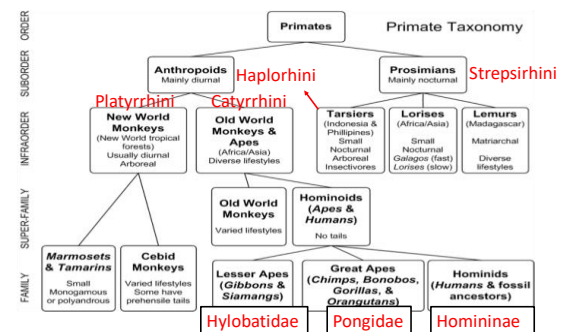
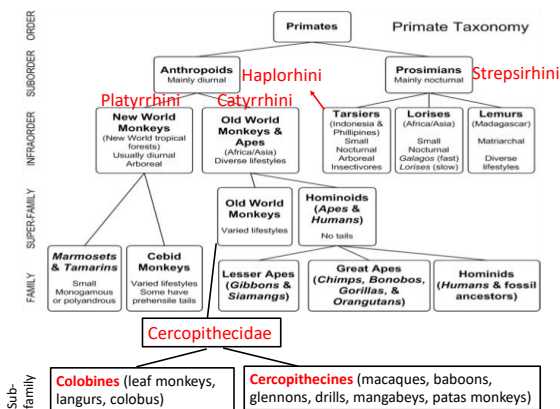
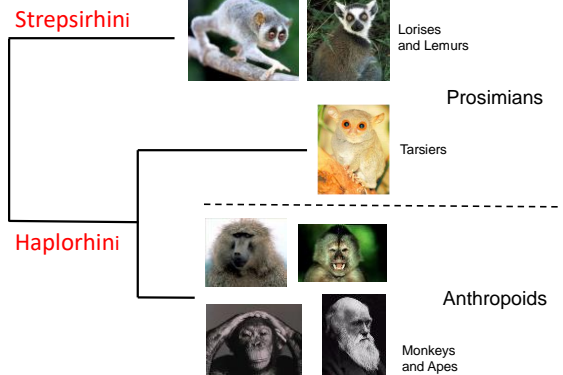
Japanese macaques in the temperate forest
<http://www.arkive.org/japanese-macaque/macaca-fuscata/video-00.html#src=portletV3web>



Proboscis monkey in the mangrove swamps
<https://www.youtube.com/watch?v=jtctipglPhA>

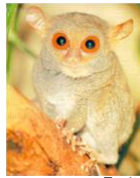


Savanna baboons in grasslands





Prosimians are the most primitive primates



Aye aye

<https://www.youtube.com/watch?v=Fw2DIZYJuII>

Tarsier

<https://www.youtube.com/watch?v=UHRfITRjD4&feature=related>



Galago

<https://www.youtube.com/watch?v=ZmXWmxW-6E>

<https://www.youtube.com/watch?v=sGLXkdMXdAQ>

Prosimians

	<u>Tarsiers</u>	<u>Lorises</u>	<u>Lemurs</u>
Distribution	Africa and Asia	Southeast Asia	Madagascar
Activity pattern	nocturnal	nocturnal	nocturnal and diurnal
Size	small	small	variable
Social system	solitary	solitary and monogamous	variable
Diet	insects	Fruit, gum, insects	variable



Lemurs went through an adaptive radiation in Madagascar



Madagascar separated 120 million years ago



Ring-tailed lemur



Giant lemur (extinct)



Dwarf lemur



Sifaka

Anthropoids

New World Monkeys



capuchin



marmoset



howler monkeys



Old World Monkeys

Apes



gibbon



chimp



Pygmy marmoset

<https://www.youtube.com/watch?v=ePczUi3CcTQ>

New-world monkeys: small-bodied species



emperor tamarin

<https://www.youtube.com/watch?v=vwnlqE74tIY&feature=relmfu>



marmoset



owl monkeys



spider monkey

New-world monkeys: larger-bodied species

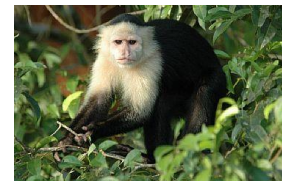


muriqi



howler monkeys

<https://www.youtube.com/watch?v=pYtoz-tbbY&feature=related>



capuchin



Old World Monkeys and Apes



Old-world monkeys: Colobines



Black and white colobus

African



Red colobus

<https://www.youtube.com/watch?v=qFzVdfoziSo>



Vervet monkey
<http://www.arkive.org/vervet/chlorocebus-pygerythrus/video-11a.html>

Old-world monkeys: Cercopithecines



hamadryas baboons

<https://www.youtube.com/watch?v=U2ISZPTa3ho>



Savanna baboon



Bonnet macaque



Blue monkey

Lesser apes: Gibbons and Siamangs



Siamang

<https://www.youtube.com/watch?v=k3cD1Nd302k>



Gibbon

<https://www.youtube.com/watch?v=mSLFHPd8LX0>



Great apes: Orangutans

<https://www.youtube.com/watch?v=IFACrIx5SZ0>



Great apes: Gorillas

<https://www.youtube.com/watch?v=HDxA8-01cp4>





Common chimp



Bonobo

Great apes: Chimpanzees

<https://www.youtube.com/watch?v=eubDSQrFako>

