**Engaging Students in Scientific Research in your Course**

**Worksheet 1: Learning outcomes/goals**

**Task 1.1.** List existing goals (or learning outcomes) for your course:

Content goals

1.

2.

3.

...

Skill goals

1.

2.

3.

...

Other learning outcomes

1.

2.

...

**Task 1.2.** Details of course.

* Who are your students? (Majors/non-majors, background before class, what they will do after your class, gender/race/ethnicity/age/class, residential/commuting, time commitments outside school, access to transportation...)
* Role of your course in your curriculum. (Does it have pre-requisites? Is it a pre-requisite for other courses?)
* Class size, lab/non-lab
* Resources available:
  + Location
  + Campus environment (streams, lakes, trees, outcrops...)
  + Nearby field sites
  + Equipment available
  + Computing resources (in classroom, in computer labs, owned by students...)

**Task 1.3.** Brainstorm opportunities and challenges associated with your course context.

Opportunities:

Challenges: