Student Learning Outcomes
1. Identify the features that make plants valuable to humans
2. Discuss the human history of plant uses
3. Discuss how plants and plant science affected the development of medicine, culture and society
4. Examine the major medicinal plants to include their features, history, and effectiveness
5. Examine the psychoactive drugs and poisons obtained from plants
6. Examine the origin of agriculture, the major food plants and how they have affected human population growth and earth ecosystems
7. Identify uses of plants in the future

Objectives
To get the most from this course, you must attend classes, take thorough notes, read assignments, and on exams demonstrate your ability to repeat and relate facts and be able to identify patterns, compare and contrast plant characteristics, and make generalizations based on class discussions.

Textbook
There is no textbook for this course; however, reading assignments and supplemental materials will be posted on Blackboard.

Examinations
There will be four exams. Each exam will consist of some combination of fill-in-the blank, matching, true-false, short answer or essay format questions. Additional information concerning the exam format will be given during class prior to each examination. Most of the exam questions will be taken from lecture material; however, some questions will come from assignments. Each exam is worth 100 points.

Grading
Your course grade will be based on the average of the four exam scores (100 points each: total 400 points) and the chart below:

<table>
<thead>
<tr>
<th>Score</th>
<th>Points</th>
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<tbody>
<tr>
<td>89.5</td>
<td>100</td>
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<tr>
<td>89.4</td>
<td>79.5</td>
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<tr>
<td>79.4</td>
<td>69.5</td>
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<tr>
<td>69.4</td>
<td>59.5</td>
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Please understand that your course grade will be calculated as stated in the above paragraph; no special opportunities will be given to individual students.

Grades, reading assignments, and lecture information will be posted on Blackboard https://blackboard.angelo.edu/webapps/portal/frameset.jsp

Extra Credit Opportunity
You may earn as many as 25 points added to your final combined points (= points added before calculation of the final average) by preparing and presenting a 12-minute presentation (April 30, May 2). You select the topic (remember...this is a plant course, so the focus must be on the plant). The topic you select can address a particular species (i.e. Why does eating garlic improve your health?) or a review of plants used for a specific medicinal purpose (i.e. plant aromas that aid sleep). You can also report on a new plant species found to have potential as either a medicinal or food plant (i.e. What is the plant species? What feature of the plant makes it
potentially useful? Why is this feature important?). I will be glad to discuss other selections with you. If you elect to take advantage of this opportunity, you must send me an email with the title of your presentation and a brief description of what you will be addressing before Monday noon, March 6th. Since each student's presentation must be on a different topic, it would be to your advantage to send me your information as soon as possible. The first person to send me his/her email containing the title and description officially claims that topic. 

Additional information about the presentation and attendance at the presentations is available on Blackboard (READ).

**Attendance**
Roll will be taken at the first of every class period. I expect you to be on time and present for each and every class. If you are tardy to class (i.e. after I have checked roll), it is your responsibility to give me a note with your name and the date at the end of that day’s class so I can correct my attendance records. At the end of the semester if you have 1 or no absences, I will add one point to your final average.

**Dishonorable Conduct**
Angelo State University expects its students to maintain complete honesty and integrity in their academic pursuits. Any instances of cheating or other forms of dishonesty will result in an automatic 0 on the activity involved (if you have any question concerning what constitutes dishonest behavior, ask me before engaging in the behavior). Based upon my interpretation of the seriousness of your indiscretion, you may face additional disciplinary action. It is your responsibility to display proper behavior so that you will be held above reproach. You are responsible for understanding the Academic Honor Code, which is available online at http://www.angelo.edu/cstudent/.

**American Disability Act**
Persons with disabilities that may warrant academic accommodations must contact the Student Life Office, Room 112 University Center, in order to request and implement academic accommodations. You are encouraged to make this request early in the semester so that appropriate arrangements can be made without delay.

**Religious Holy Day**
A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. A student who is absent from classes for the observance of a religious holy day shall be allowed to take an examination or complete an assignment scheduled for that day within a reasonable time after the absence.

**Office Visits**
My office is CAV127B (telephone 486-6656). My office hours are: MW 10am-1pm and by appointment. You may also reach me via e-mail: Bonnie.Amos@angelo.edu. Please come see me if you have any questions or problems - or just to get acquainted.
### Medical Botany Lecture Schedule – Spring 2019

<table>
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<tr>
<th>Date</th>
<th>Lecture Activity</th>
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| January 15 (T) - February 12 (T) | *Medicinal Plants*  
What is a plant? Classification and Nomenclature  
History of Medicinal Plants  
Classification of Drugs; Modes of Drug Action; Uses and Discovery  
Fever Bark Tree, Kalaw Tree, Opium Poppy, Coca Plant, Snakeroott, Belladonna, Curare, Ginseng, Willow and Aspirin, Ephedra, Marijuana, Oral Contraceptives, Cancer, HIV, Heart, Thrombosis, Future of Plants and Medicine (as time permits) |
| February 14 (R)           | **EXAM 1**                                                                       |
| February 16 (T) - March 5 (T) | *Psychoactive Plants*  
Introduction  
Hallucinogens of the Solanaceae  
Peyote, Peyotism, and the Native American Church, Magic Mushrooms: Ergot and Ergotism, Fly Agaric and the Divine Soma |
| March 7 (R)               | **EXAM 2**                                                                       |
| March 11-15               | Spring Break!                                                                    |
| March 19 (T)-April 4 (R)  | *Poisonous Plants*  
Plant Allergens: Respiratory, Food  
Dermatitis: Contact, Phytophotodermatitis, Irritants  
Internal Poisons: Blood, Nerves, Muscles, Digestive and Gastrointestinal, Heart, Liver, Kidneys, Enzymes, Skeleton, Birth Defects; Mechanical Injury |
| April 9 (T)               | **EXAM 3**                                                                       |
| April 11 (R)-April 25 (R) | *Pleasure Plants*  
Alcohol, Tea, Coffee, Kola, Khat, Chocolate, Tobacco, Marijuana  
*Food Plants*  
Origin of Agriculture, The Big 12, Top 3: Corn, Wheat, Rice (as time permits) |
| April 30 (T)- May 2 (R)   | Extra Credit Presentations                                                       |
| **Tuesday May 7**         | **Exam 4  8:00-10:00am**                                                        |