# FIELD MANUAL PROTOCOLS: COMPLETING THE FIELD MANUAL

In a 3-ring binder, please assemble your field manual using only the materials below in the order listed. (If you wish to add additional materials from the course, please wait to add that material until after I’ve checked and returned your field manual.) Except for the completed data sheets all materials are available for download from the course website.

You need to carefully read the *Grading Rubric for the Field Manual* before you start assembling yours. The rubric tells you exactly what I look for when I assess your field manual and on what basis I award points. If you want / need / prefer to earn full points for your field manual, the rubric tells you how. Don’t guess at what I’m looking for and gamble on how many points you’ll earn. Use the rubric and you’ll know how many points you’ll earn!

#### FIELD MANUAL TITLE PAGE

*Create your own manual title page making it as creative or as simple as you wish. Just make sure you include your name, the semester and the year.*

**BLANK COPY OF THE GRADING RUBRIC FOR THE FIELD MANUAL**

#### GENERAL RESEARCH

*Create your own section title page.*

The Scientific Method

Field Work Protocols

Field Sampling Techniques

Online Field Work Resources

#### HYDROSPHERE RESEARCH

*Create your own section title page.*

Hydrosphere Data Collection Protocols

***OR***

Hydrosphere Protocols II

Hydrosphere Equipment Instructions

Completed Hydrosphere Data Sheets

The Ecology of Ponds and Lakes

Looking at Texas Water

#### BIOSPHERE RESEARCH

*Create your own section title page.*

Biosphere Data Collection Protocols

***OR***

Biosphere Protocols II

Biosphere Equipment Instructions

Completed Biosphere Data Sheets

Vertical Layering in a Typical South Plains Habitat

Map of Texas Ecosystem Regions

Stages of Plant Succession and Associated Wildlife Species in a Typical South Plains Habitat

**ATMOSPHERE RESEARCH**

*Create your own section title page.*

Atmosphere Data Collection Protocols

***OR***

Atmosphere Protocols II

Atmosphere Equipment Instructions

Completed Atmosphere Data Sheets

Identifying Air Masses and Fronts

Climate Controls

Surface Features Important in Making a Forecast

Interpreting Surface Observation Symbols

Methods Used To Create a Forecast

#### LITHOSPHERE RESEARCH

*Create your own section title page.*

Lithosphere Data Collection Protocols

***OR***

Lithosphere Protocols II

Lithosphere Equipment Instructions

Completed Lithosphere Data Sheets

Obtaining a Soil Profile

#### FIELD MANUAL CHECK LIST

#### \_\_\_ TITLE PAGE with name, semester and year

**\_\_\_** BLANK COPY OF THE GRADING RUBRIC FOR THE FIELD MANUAL

#### \_\_\_ GENERAL RESEARCH title page

**\_\_\_** The Scientific Method

**\_\_\_** Field Work Protocols

**\_\_\_** Field Sampling Techniques

**\_\_\_** Online Field Work Resources

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**\_\_\_** Hydrosphere Data Collection Protocols

**\_\_\_** Hydrosphere Equipment Instructions

**\_\_\_** CompletedHydrosphere Data Sheets

**\_\_\_** The Ecology of Ponds and Lakes

**\_\_\_** Looking at Texas Water

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**\_\_\_** Biosphere Data Collection Protocols

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**\_\_\_** CompletedBiosphere Data Sheets

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**\_\_\_** Map of Texas Ecosystem Regions

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**\_\_\_** Identifying Air Masses and Fronts

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