

HWRS 696F FLOOD SEMINAR BACKGROUND INVENTORY

Name _____ Major _____ Minor _____

QUICK MEMORY JOGGING EXERCISE – This is just to get an idea of your familiarity with terms and concepts that are likely to come up this semester in our readings and discussion. Your responses will help us identify what concepts may need more explanation or background information.

Indicate which of the following terms or concepts are familiar to you by filling in the blanks in the following manner:

___4___ Never heard of the term or concept before. ___2___ Comfortably familiar with it.
___3___ Vaguely familiar with it. ___1___ Could give a brief lecture on it!

CONCEPTS FAMILIARITY BACKGROUND CHECK:

- | | | |
|---------------------------------------|------------------------------------|--------------------------------|
| ___ science | ___ trend | ___ jet stream |
| ___ engineering | ___ time series | ___ cyclone |
| ___ system | ___ stationarity assumption | ___ anticyclone |
| ___ hydrograph | ___ paleoflood | ___ extratropical cyclone |
| ___ unit hydrograph | ___ paleoflood hydrology | ___ warm front / cold front |
| ___ baseflow | ___ bankfull discharge | ___ cyclogenesis |
| ___ lag time | ___ bed shear stress | ___ easterly wave |
| ___ discharge | ___ roughness factor | ___ ridge and trough |
| ___ runoff | ___ stream power | ___ vorticity |
| ___ Horton overland flow | ___ Manning equation | ___ inverted trough |
| ___ rainfall-runoff model | ___ overbank deposit | ___ divergence and convergence |
| ___ rating curve | ___ slackwater deposit | ___ Rossby wave |
| ___ annual flood | ___ paleostage indicator | ___ cutoff low |
| ___ partial duration series | ___ Holocene | ___ blocking |
| ___ mean annual flood | ___ radiocarbon dating | ___ monsoon |
| ___ 100-year flood | ___ optical luminescence | ___ El Niño / La Niña |
| ___ return period | ___ climate | ___ ENSO |
| ___ recurrence interval | ___ weather | ___ isohyetal map |
| ___ flood-frequency analysis | ___ climatic change | ___ precipitation |
| ___ Log-Pearson III Distribution | ___ climatic variability | ___ intensity and duration |
| ___ flood risk | ___ air pressure | ___ precipitable water vapor |
| ___ flood vulnerability | ___ isobar | ___ convection |
| ___ floodplain | ___ pressure gradient | ___ instability |
| ___ flood control | ___ air mass | ___ thunderstorm |
| ___ FEMA | ___ geopotential height | ___ adiabatic |
| ___ probable maximum precipitation | ___ 500 mb / 500 hPA chart | ___ latent energy |
| ___ probably maximum flood | ___ barotropic | ___ sensible heat |
| ___ probability | ___ baroclinic | ___ specific humidity |
| ___ probability distribution function | ___ geostrophic | ___ relative humidity |
| ___ sample distribution | ___ Coriolis | ___ vapor pressure |
| ___ histogram | ___ subtropical high | ___ dewpoint |
| ___ stochastic | ___ intertropical convergence zone | ___ inversion |
| ___ frequency | ___ Hadley cell | ___ orographic effect |
| ___ z-score | ___ mesoscale | |
| ___ Bayesian analysis | ___ synoptic scale | |
| ___ "iid" assumption | ___ circumpolar vortex | |

PLEASE ANSWER THE FOLLOWING:

Why did you sign up for this seminar?

What specific topics interest you?

What, do you hope you will learn in this seminar?

Tell us one thing about yourself that you think would be good for us to know.

Any other comments, questions, etc.?

If you are not officially enrolled but would like to join us unofficially and receive class emails, please provide your email address:

EMAIL: _____