# CHAMINADE UNIVERSITY PSY 451 HEALTH & STRESS PSYCHOLOGY FALL 2002

Instructor: Robert G. Santee, Ph.D.

Office Hours: M/T 4:00 - 5:00

Robert G. Santee, Ph.D.

Time: M/W/F 9:00-9:50 AM
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By Appointment

<u>Texts:</u> <u>Stress Management: Increasing Your Stress Resistance;</u> B. Brehm

Annual Editions – Health 2002/2003

QiGong: Essence of the Healing Dance; Garripoli

Chaminade University is a Catholic, Marianist University. The five characteristics of a Marianist education are:

1. a balance of reason and faith

2. education of the whole person

3. family spirit/community

4. service, justice, and peace

5. adaptation to change

Each of these characteristics is integrated, to varying degrees, in this course.

#### COURSE DESCRIPTION

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The scope of this course is an examination of the relationship between psychology (cognitive, affective, behavioral), health, stress, and the environment (social and physical). The focus of the course is to explore the individual (psycho-social/biological) from a holistic perspective as he/she interacts with the demands (self, others, internal and external environment) in his/her world. The course will allow the student to develop, *proactively*, coping skills so that their approach to stress and health is preventative rather than reactive. The course will investigate stress, health, lifestyle, communication skills, coping strategies, time management, nutrition, sleep, exercise (aerobic and anaerobic), relaxation, meditation, cognitive styles, perception, support groups, and visualization from a scientific perspective. To assist the exploration of the psychological approach to stress and health, Ch'i Kung and T'ai Chi Ch'uan will be taught as part of each class.

#### **OBJECTIVES**

Student will demonstrate an understanding of:

- 1. the scientific method and its application to the field of health and stress psychology.
- 2. stress and its relationship to psychology.
- 3. health and its relationship to psychology.
- 4. T'ai Chi Ch'uan and Ch'i Kung and their relationship to health, psychology, and stress management.
- 5. cognitive, affective, behavioral, and biological aspects of health and stress.
- 6. health and stress and their relationship to your life.
- 7. coping strategies to proactively deal with health and stress.
- 8. lifestyle and stress resistance.
- 9. preventative/applied psychology.
- 10. the relationship between health, stress, and psychology.
- 11. cross-cultural issues in health psychology.
- 12. how this course can be addressed from each of the 5 Marianist educational values.

#### QUESTIONS TO PONDER DURING THE COURSE OF THE SEMESTER

- 1. What is holistic health?
- 2. Does culture impact on how we view physical and psychological health?
- 3. Why do we get sick?
- 4. Does our environment affect our physical and psychological health?
- 5. How is stress related to physical and psychological health?

#### ASSESSMENT

2 Page Paper on '	'What is Psychology?"	10 pts
Health Analysis I	Paper	20
PSMP		20
Exams	100 x 2 =	200
Weekly Log	10 x 10 =	100

TOTAL 350 pts

Write a 2-page, typed, double-spaced paper on "What is Psychology?"

The Weekly Log will follow your PSMP:

Keep a log for 10 weeks beginning with the 3<sup>rd</sup> week of class.

A paper on the weekly log is due every Friday. The paper must be 2 pages, typed, single-spaced, covering each of the areas indicated on your PSMP, and a description rating your overall health and stress for the week using the following scale:

1-10 rating scale: 1 = poor, 5 = average, 10 = excellent

Each weekly  $\log = 10$  pts. x 10 = 100 pts.

Starting with the sixth paper, the format (still 2 pages, typed, single-spaced) will change relative to indicating the patterns and connections between the various components of the log (example – if you don't get enough sleep, how does that affect your school work, relations with others, etc.?)

#### **GRADING**

A = 315 +

B = 280 - 314

C = 245 - 279

D = 210 - 244

Papers are due on time. 5 points a class day will be deducted for late papers.

#### ATTENDANCE

If you are not in class when role is taken, you will be counted absent. If you are marked absent, you will lose 10 points for each absence.

### **Tentative Course Schedule**

Week	Topic	Reading	S	
		<u>SM</u>	<u>H</u>	<u>QG</u>
8/26	Introduction, Stress, Health, Holistic Approach, Preventative Stress Management Program (PSMP), T'ai Chi Ch'uan, Ch'i Kung, Mindfulness 8/30 – "WHAT IS PSYCHOLOGY?" PAPER DUE	1	1-5	All
9/2	9/2 – HOLIDAY Time Management HEALTH ANALYSIS DUE – 9/6 PSMP DUE – 9/6	6-7	1-5	All
9/9	Fight/Flight Response, Support Groups, Sources of Stress, Darwinian Approach, Emotions, Environmental Stress	2	6-9	All
9/16	Stress and Health, Immune System 9/18 – WEEKLY LOG DUE - NO CLASS 9/20	3,15,16	6-9	All
9/23	Stress and Your Life, T'ai Chi Ch'uan, Ch'i Kung, Meditation, Visualization, Relaxation	4,15,16	6-9	All
9/30	Coping Strategies/Problem Solving, Cognitive Appraisal, T'ai Chi Ch'uan, Ch'i Kung	5	6-9	All
10/7	Communication Skills, Sexuality, T'ai Chi Ch'uan Ch'i Kung	8	24-2	7 All
10/14	10/14 – HOLIDAY Diet, Nutrition, Stress EXAM I – 10/18	9	10-1	4
10/21	Exercise - Aerobic/Anaerobic; Sleep, Sexuality, Stress	10	15-1	8
10/28	Pleasure, Feeling Good, Drugs & Health	11	19-2	3
11/4	Perception, Self-Esteem, Drugs & Health	12-13	19-2	3
11/11	11/11 – HOLIDAY Self-Esteem, Health Risks		28-3	1
11/18	Health System	14	32-3	6
11/25	Health System 11/28-29 – THANKSGIVING HOLIDAY		37-4	2
12/2	Environment, Work, Applied Psychology		43-4	6
12/9	EXAM II – 10:30 – 12:30			

#### PSY 451 HEALTH AND STRESS PSYCHOLOGY INTERNET INSTRUCTIONS FOR PROJECT FALL 2002 DR. ROBERT SANTEE

Get on Internet (Internet Explorer, etc.)

Type in at 'address': www.healthcentral.com

On left hand side of screen, scroll down to the dark blue column of items. Click on 'Health Profiles'

Under 'Health Profiles' (left hand side of screen) you will see ">main". Under it are six bullets with different titles.

Click 'LifeView'

Do the entire inventory

Fill out 'Personal and Family Medical History'

Click 'View My Personal LifeView Reports'

Click 'Stress Management"

Click the disclaimer

Click 'Print the Entire Report'

Go to file at top of screen and click 'print' to print report

Go to the top of page. Do the remaining profiles. You do not need to do sexual health. Print all of the profiles.

See syllabus for assignment regarding these profiles

#### ASSIGNMENT I – HEALTH ANALYSIS

Go to *healthcentral.com* on the Internet and take the following inventories – be honest with your responses:

Lifeview
Exercise and fitness
Stress Management
Diet and nutrition
Alcohol and substance abuse

There is also an inventory on sexual health. It is up to you if you want to take this inventory. It is not required.

After you take each inventory, submit it. An analysis will come back. It will report your Profile, Where you are on track, and How you can improve. The Lifeview analysis will provide you with age and life expectancy, life risks, good habits, and habits you could change. I want you to integrate the results of all these inventories in a paper (double-spaced, 3-5 pages) regarding your health. Pay particular attention to incorporating information from the How you can improve and Habits you could change sections. Generally, I want to see a paper that explores your current health status and what you need to do to address noted concerns.

#### ASSIGNMENT II - PSMP

The second assignment is to develop a personal stress management program. This course focuses on preventative health psychology. In other words, being *proactive* rather than reactive to the stresses one encounters in life. Building up your psychological, physical and spiritual immune systems. Write a 1page paper incorporating the following:

Hours of sleep, naps

Diet, meals per day, what you will add, reduce, or eliminate from your diet

Aerobic exercise

Anaerobic exercise

Meditation

Mindfulness

Visualization

Relaxation Recreation

Social

Keeping your log

Developing coping devices to concerns noted in your log

This is the program you are going to be following for the rest of the semester. Make it challenging, but do not make it impossible or too difficult to follow. If it is unrealistic, you will add stress and probably stop doing it. Make it realistic and fun. A sample PSMP is provided on the next page.

#### WELCOME!

- · Receive Free Newsletters
- · Join a Community

#### **HEALTH CENTRAL**

**SEARCH FOR:** 

TOPIC CENTERS

@G0!

Choose a topic

Search Tips • Advanced Search



- · Alcohol and Substance Abuse
- Diet and Nutrition
- Exercise and FitnessSexual Health
- Stress Management

#### LifeView

Home

News

Dr. Dean Edell

Sponsored Content: Type 2 Diabetes Update: Insulin Resistance

Special Offers

- Type 2 Diabetes
- Overactive Bladder

### "When I go out to eat, I have to find the restroom first!"

Do you urinate more than 8 times in a 24-hour period? Cyes No Continue

#### Personal Health Profile Your Full Report

### Health Age And Life Expectancy

Your health habits affect the quality of your life as well as your longevity. Gohabits help keep your body young and vibrant - while poor habits cause your faster. The following statistics will help you quickly see how your lifestyle tod big impact on how you live tomorrow.

Your Health Age

This is an estimate of your age in terms of yo risks. You have the same susceptibility to life conditions in the next 10 years as a 55 year c

Your Achievable Health Age

55

77

This is the health age you could achieve if you

This is the birthday you can expect to celebra

your current health habits and age.

healthy life path.

#### **Top Features**

- · Foot Health Center
- Mental Health
- Diabetes
- Arthritis Library
- Headache Center
- . Is it Cold or Allergy?
- Allergy Center
- Arthritis Center Sexual Health
- Stomach Pains
- Allergy Quiz Seniors Center

People's Pharmacy: Drugs & Herbs

Fit or Fat: Nutrition & Exercise

Best Doctors

Columnists

Cool Tools

Life Risk

Health Profiles

My Health Page

Your Life Expectancy

Your Achievable Life **Expectancy** 

78

You can add more candles to your birthday ca optimal health habits now.

#### Your Greatest Life Risks

Below is a list of your greatest risks over the next ten years in order of importan of the risks below to get more details about how you rate.

You will see a graph which shows your risk of dying compared to the general people your age and sex over the next 10 years. Remember, this is a compar your habits, and your health status to the general population of your age and a diagnosis!

Heart Attack

Stroke

Cirrhosis of the Liver

Below Population **Average** 

Population **Average** 

http://www.healthcentral.com/healthview/hvprintreport.cfm?cfid=3446642&cftoken=940181... 8/22/02

Library
Topic Centers
Communities
Newsletters
About
HealthCentral.com
Contact Us
Privacy Policy

Drug Information

Get the latest health

news in your e-mail

HEALTH NEWS

for FREE!

SIGN UP

COMMUNITIES

Parenting PlaceRelationships

Colon Cancer
Unintentional Injury
Hypertensive Heart Disease
Lymphoma
Lung Cancer
Homicide
Diabetes Mellitus
Stomach Cancer
Pancreas Cancer

#### **Your Good Health Habits**

Congratulations, you already have the following good health habits:

- · You do not smoke
- · You have a healthy blood pressure
- You are near your recommended weight
- You consume little or no alcohol
- You always or almost always use your seatbelt
- You drive close to the speed limit
- You do not drive under the influence of alcohol or drugs
- · You do not ride with drivers under the influence of alcohol or drugs
- You have good aerobic exercise habits
- You have adequate fiber in your diet
- You eat a low fat and low cholesterol diet
- You have not had work-related injuries in the past year
- · You never have episodes of back pain
- You only occasionally feel under stress
- You do not use intravenous drugs or share needles with others

#### **Habits You Could Change**

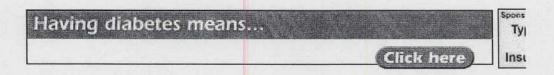
You could benefit from the following recommendations:

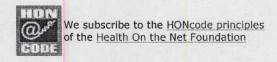
- Get your total cholesterol level checked
- Get an annual fecal occult blood test

Join the conversation:
• People's Pharmacy

## Your Preventive Care Guidelines Routine Preventative Services for Men your age:

- Blood Pressure (Every 1 to 2 Years)
- Cholesterol Test (Every 5 Years)
- Prostate Exam (Annually)
- Fecal Occult Blood Test (Annually)
- Sigmoidoscopy (at clinician's discretion)
- Eye Exam with Glaucoma Screening (at clinician's discretion)
- Dental Exam (Every 6 Months)





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## SAMPLE PREVENTATIVE STRESS MANAGEMENT PROGRAM

1. Keep daily log Get 8 hours of sleep per day 2. 3. Eat three meals per day - watch diet: eliminate soda, candy and chips from diet, drink 8 glasses of water each day 4. Aerobic exercise: swim 3 days a week (20 minutes/day) walk 3 days a week (20 minutes/day) 5. Anaerobic: Lift weights 3 days a week (machine) 5 exercises upper body (1 set/10 reps) 5 exercises lower body (1 set/10 reps) 6. Meditation Sitting: focus on breathing 3 days/week (10 minutes/day) Moving: T'ai Chi/Short Form (3 days/week/20 minutes/day) 7. Mindfulness Daily for 15 minutes and try to incorporate in all activities Visualization 8. 3 days a week/15 minutes a day Relaxation Watch TV, read a book, read newspaper (daily/15 minutes) 9. 10. Recreation Gardening 3 times a week, baseball with friends 2 times a week 11. Social 1 hour each day with kids 1 hour each day with spouse 2 hours a week with friends Go out to eat with family at least once a month

Develop appropriate coping devices to address emotional, physical, and cognitive

12.

concerns noted in log

#### PSY 451 HEALTH PSYCHOLOGY SAMPLE LOG PSMP ANALYSIS

This was the first week of keeping a log. While I was initially resistant (lazy?) to tracking myself, I persevered and completed the log. Once I got out of my own way and stopped complaining about it (a lot of wasted time), it was quite straightforward. It takes about 10-15 minutes a day to complete.

My PSMP is realistic. Once I stopped procrastinating about it and finally started to follow it on a daily basis, it turned out to be fun. The following is a description of what occurred over the past week relative to my PSMP.

#### SLEEP

I said I would get 8 hours of sleep a night. I averaged 5 hours of asleep a night. I got minimal sleep on the weekend. My sleep is inconsistent and not deep as I wake up tired. I seem to worry alot before I can fall asleep. I keep going over things I messed up on or didn't do right. I worry about what I need to do tomorrow and if everybody is happy with me. I find myself getting anxious and worrying about not getting enough sleep. I had 4 hours of sleep Wednesday as I had a big presentation at work on Thursday. I was really tired. Keeping the log has shown me, quite clearly, my problems in this area. I will work on getting consistent sleep each night.

#### DIET

I said I would eat 3 meals a day, eliminate soda, candy, chips, and drink 8 glasses of water a day. I ate 3 meals a day 3 times during the week. I had lunch and dinner every day. I skipped breakfast 4 times. On the days I had breakfast I had a cup of coffee and a doughnut. My other meals included coffee, meat, bread, pasta, vegetables, and rice. I had 5 cans of soda a day (one less) everyday. I drank one glass of water a day. I drink a glass of wine with my dinner each night. I take Tylenol 3 times a day for my headache. I have my work cut out for me. I will succeed!

#### **AEROBIC EXERCISE**

I said I would walk and swim 3 days a week for 20 minutes each time. I made my walking goal (yes!). I swam twice for 20 minutes. I will get the third swim this week. I enjoy swimming and walking. I just feel tired. I know that part of it is connected to problems with my sleep and diet. I will find the time.

#### ANAEROBIC EXERCISE

I said I would lift weights 3 days a week using machines. I only weight lifted once during the week. I just cannot find the time. I know, no excuses! I will stop making excuses and find the time. Just need to manage my time better.

#### **MEDITATION/SPIRITUAL**

I said I would focus on my breathing 3 days a week for 10 minutes a day. My mind drifted a lot but I stuck with it. I met this goal as far as time and frequency. I actually felt refreshed after I was able to maintain my focus. I will work on staying focused. I

also did T'ai Chi and Ch'i Kung for 30 minutes in class on Tuesday. I felt refreshed and relaxed after finishing it. I went to church on Sunday. I felt at peace.

#### **MINDFULNESS**

I said I would do this daily for 15 minutes a day. I practiced it 3 times during the week. Saying I would do this every day might have been a little too optimistic. It was hard (I know, no complaining). I am finding it is very difficult for me to do things without judging, criticizing, complaining or blaming. I see that I do this a lot. I will practice it.

#### VISUALIZATION

I said I would practice visualization 3 times a week for 15 minutes a day. Finding time is the problem (no excuses, yea, yea). I used the exercise we did in class (my private safe space) and practiced once during the week for 10 minutes. I did feel relaxed and less stressed. So it worked. Just have to work on frequency and duration.

#### RELAXATION

Yes! I met this one. I said I would spend 15 minutes a day watching TV, reading a book etc. I watched TV everyday for at least I hour (I know. I can fit mindfulness, visualization, etc., in this slot). It is a good release.

#### RECREATION

I said I was going to play baseball twice a week and garden 3 times a week. I decided against the baseball. I did garden 3 times during the week. I really enjoyed my time in the garden.

#### SOCIAL

I said I would spend an hour a day with my kids (2), an hour a day with my spouse, 2 hours a week with my friends, and go out and eat with my family at least once during the month. Trying to find these hour blocks with all the other things I do is hard. It is! Anyhow, we went to a movie together and then had lunch at Mac's. I spent about ½ hour a day with my kids during the week and an hour during the weekends. My spouse and I watched TV together each night for a least an hour (does that count?). I spent about two hours each day with my spouse on the weekend. I talked with my friends on the phone for five hours for the week.

#### HUMOR

I didn't do much laughing at work. I laughed most often when I talked with my friends, watched TV, and played with my kids. I certainly need to laugh more and not take everything so seriously.

#### WORK

I worked 40 hours during the week from 8-4:30 M-F. I have to spend an hour a day in traffic going both ways. What a drag!! I hate going to work on Monday and can't wait until the weekend. I work in an office. My boss is a jerk. She does not know what is really going on. Everybody I work with is always complaining, blaming and criticizing. Work is emotionally draining. I find myself getting easily caught up in this type of cycle.

I feel tired going to work and even more tired when I leave. I need to look at this. I am not really happy here.

#### PHYSICAL SYMPTOMS

I had a headache for 6 days of the week. It seems to go away when I meditate, exercise, etc. It went completely away on Sunday. I feel tired every day except when I was able to meditate. My neck and back are tight most of the time.

#### **EMOTIONS**

On a scale of 1-10 with 10 being excellent, I would rate my week at work as a 1. My weeknights are 3. The weekends are around 5. When I feel overwhelmed by my emotions, I can't focus, become confused easily, and my memory is compromised.

#### COGNITIVE

At work I noticed I did a lot of awfulizing, catastrophizing, blaming, complaining, criticizing and frequently using shoulds, oughts, and musts. At home I do not engage in this type of thinking as much; however, I do it enough to not be happy about it. I know there is a connection between my thinking and feeling/behavior. I know I need to replace these irrational thoughts with rational thoughts. I have found myself telling myself I can't do such and such, including my PSMP and writing this analysis. I find my ability to focus and attend drifting when I engage in this maladaptive behavior. Well, I started my program and I have written this analysis so that is a step forward. I will get better. On a scale of 1-10 with 10 being excellent, I rate my thinking/focusing for the week as a 3.

#### **SUMMARY**

Looking at my first week of the analysis, I see some significant relationships and patterns. There is a strong relationship between sleep and how I feel and think. There is a strong relationship between my irrational thinking and how I feel both physically and psychologically. There is a strong relationship between work and how I feel, think and behave. Spending an hour in traffic affects my day. I have noticed that exercise and meditation help if my mind is clear. If I can't stay focused, exercise and mediation don't help much. What I have noticed is that all of these categories are interrelated. I have a lot of work ahead of me. I will be positive and succeed. My ratings for the week on the overall categories, with 1=poor and 10=excellent, follows:

PHYSICAL	3	SPIRITUAL	8	HUMOR	6
<b>EMOTIONAL</b>	3	SOCIAL	8		
COGNITIVE	3	ENERGY LEVEL	3		

Rating of Feelings: 1 = Terrible 10 = Great

		SUN	MON	TUE	WED	THUR	FRI	SAT
SLEEP	No. of Hours:							
Upon Waking	Rating:							17
MEALS	Breakfast							
	Lunch							
	Dinner							
	Snacks					Erali I		
AEROBIC EXERCISE	Type:							
	Hours:							
	Rating:							
ANAEROBIC EXERCISE	Type:							
	Hours:			13.5				
	Rating:							
MEDITATION	Type:							
	Hours:							
	Rating:							
VISUALIZATION	Type:							
	Hours:							
	Rating:							
RELAXATION	Type:							
	Hours:							
	Rating:							
RECREATION	Type:							
	Hours:							
	Rating:							
COMMENTS:								

Rating of Feelings: 1 = Terrible 10 = Great

		SUN	MON	TUE	WED	THURS	FRI	SAT
SOCIAL RELATIONS								
Friend	Hours:						HU B	
	Rating:							
Friends	Hours:							
	Rating:							
Significant Other	Hours:							
	Rating:							
Children	Hours:			Post				
	Rating:							
Relatives	Hours:							
	Rating:							
ALCOHOL	Amount:							
	Rating:				CA.			
CIGARETTES	Amount:							
	Rating:							
CAFFEINE	Amount:							
	Rating:							
MEDICATION	Amount:							
Type:	Rating:							
DRIVING	Hours:							
	Rating:							
WORK	Hours:							
	Rating:							
COMMENTS:								

Rating of Feelings: 1 = Terrible 10 = Great

		SUN	MON	TUE	WED	THUR	FRI	SAT
STUDYING	Hours:							
	Rating:							
SCHOOL	Hours:							
	Rating:							
TV	Hours:							
	Rating:							
The state of the s								
EMOTIONS	1 = None 10 = Extensive							
Anger	Rating:							
Fear	Rating:							
Anxiety	Rating:							
Shame	Rating:							
Depression	Rating:							
Guilt	Rating:							
Frustration	Rating:			-				
Sadness	Rating:							
Happiness	Rating:							
Joy	Rating:							
Confidence	Rating:							
Peacefulness	Rating:							
Humor	Rating:							
Spiritual	Rating:							
COMMENTS:								

		SUN	MON	TUE	WED	THUR	FRI	SAT
PHYSICAL SYMPTOMS	1 = None 10 = Extensive							
<b>Body Tension</b>	Rating:							
Headaches	Rating:							
Loss of Appetite	Rating:							
Colds	Rating:							
Neck Pain	Rating:							
Back Pain	Rating:							
Stomach Problems	Rating:							
Digestive Problems	Rating:							
Other Pains	Type:							
	Rating:							
Other Illness	Type:							
	Rating:							
COMMENTS:							1	

Rating of Feelings: 1 = No Stress

10 = Excessive Stress

COGNITIVE APPRAISAL OF STRESSFUL EVENTS

Day of Stressful Event:	Time of Stressful Event:
Landing of Changeful Fronts	Dating of Facilings
<b>Location of Stressful Event:</b>	Rating of Feelings:
Event(s) Determined as Stressor (describe):	
Coping Mechanism Used to Deal with Stress	
Rating of Feelings After Implementation of C	Coping Mechanism:
Was Coping Mechanism Successful? Why?	Why not?

		SUN	MON	TUE	WED	THUR	FRI	SAT
MALADAPTIVE THINKING	1 = None 10 = Extensive							
Shoulds	Rating:							
Oughts	Rating:							
Musts	Rating:							
Catastrophizing	Rating:							
I can't	Rating:							
Awfulizing	Rating:							
Concentration Problems	Rating:							
Negativizing	Rating:							
Blaming	Rating:		TEXAS					
Overgeneralizing	Rating:							
OVERALL RATING OF DAY	1 = Poor 5 = Neutral 10 = Great							
Physical/Behavioral	Rating:							
Emotional	Rating:							
Cognitive	Rating:							
Spiritual	Rating:							
Social	Rating:							
Energy Level	Rating:							
WEIGHT (optional)	Change in weight (desired or not?):							
COMMENTS:			W. T		-			1

#### DAILY STUDENT DIET

MONDAY	Amount	TUESDAY	Amount
Breakfast		Breakfast	
Snack		Snack	
Lunch		Lunch	
Dunch		Buildi	
District History			
Snack		Snack	
Dinner		Dinner	
Diffici		Dittuel	
6 1			
Snack		Snack	
WEDNESDAY	Amount	THURSDAY	Amount
Breakfast		Breakfast	
6 1			
Snack		Snack	
Lunch		Lunch	
Snack		Snack	
Dinner		Dinner	
Snack		Snack	

#### DAILY STUDENT DIET

Amount	SATURDAY	Amount
	Breakfast	
	Snack	
	Snack	
	Dillitet	
		-1-0-3-1-1-1-1
Amount		Amount
THE PERSON NAMED IN COLUMN ASSESSMENT OF THE PERSON OF THE		(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
	Snack	
	Duncii	
	Cycely	
	Dinner	
	Amount	Snack Lunch  Snack Dinner  Snack

#### SCIENTIFIC METHOD DEFINITIONS

The METHODS OF SCIENCE are only tools, tools that we use to obtain knowledge about phenomena.

The SCIENTIFIC METHOD is a set of assumptions and rules about collecting and evaluating data. The explicitly stated assumptions and rules enable a standard, systematic method of investigation that is designed to reduce bias as much as possible. Central to the scientific method is the collection of data, which allows investigators to put their ideas to an empirical test, outside of or apart from their personal biases. In essence, stripped of all its glamour, scientific inquiry is nothing more THAN A WAY OF LIMITING FALSE CONCLUSIONS ABOUT NATURAL EVENTS.

Knowledge of which the credibility of a profession is based must be objective and verifiable (testable) rather than subjective and untestable.

SCIENCE is a mode of controlled inquiry to develop an objective, effective, and credible way of knowing.

The assumptions one makes regarding the basic qualities of human nature (that is, cognitive, affective, behavioral, and physiological processes) affect how one conceptualizes human behavior.

The two basic functions of scientific approach are 1) advance knowledge, to make discoveries, and to learn facts in order to improve some aspect of the world, and 2) to establish relations among events, develop theories, and thus help professionals to make predictions of future events.

Research Design And Counseling Heppner, Kivlighan, and Wampold

A THEORY is a large body of interconnected propositions about how some portion of the world operates; a HYPOTHESIS is a smaller body of propositions. HYPOTHESES are smaller versions of theories. Some are derived or born from theories. Others begin as researchers' hunches and develop into theories.

The PHILOSOPHY OF SCIENCE decrees we can only falsify, not verify (prove), theories because we can never be sure that any given theory provides the best explanation for a set of observations.

Research Methods In Social Relations
Kidder

THEORIES are not themselves directly proved or disproved by research. Even HYPOTHESES cannot be proved or disproved directly. Rather, research may either support or fail to support a particular hypothesis derived from a theory.

Scientific research has four general goals: (1) to describe behavior, (2) to predict behavior, (3) to determine the causes of behavior, and (4) to understand or explain behavior.

Methods In Behavioral Research; Cozby

#### GUIDELINES FOR WRITTEN ASSIGNMENTS

Page length

Page requirements are the minimum requirement. If the requirement is six (6) pages, then write, at minimum, six (6) FULL PAGES. Not 5 pages and ½ a page for the 6<sup>th</sup> page. The cover page, abstract and reference page do not count as part of the page requirement. If the paper is worth 100 points and you only write 8 pages, then you will lose 20 points. If you write 9 pages and only a line, you will lose 10 points.

#### Font

Font size "should not be larger than this which is 12."

Margins

Margins should fall within the parameters of this sentence. In other words, side margins should not be larger than what you are now viewing for the two sentences above this last sentence. The top and bottom margins should be consistent with this page. Put your name on a cover page.

APA Style for References

Hanging Indent for reference page:

Atkinson, D.R. (1985). Ethnic similarity in counseling psychology: a review of research. The Counseling Psychologist, 11, 79-72.

Referencing within the Narrative:

Studies (Smith, 1996; Wilson 1998) indicate that .......

Jackson (1981) found that ......

#### Quotes

Quotes are all single-spaced. If you double space quotes, points will be taken off. All papers should avoid, as much as possible, any quotes. If you use quotes, unless otherwise specified, be consistent with the following format

Kim (1985) states:	
My research demonstrates	
	(p.346).
The Chinese perspective clear	ly indicates
*** *** *** *** *** *** *** *** *** *** *** *** ***	(Chen, 1998, p. 312-315).

This is the bottom margin.

#### REQUIREMENTS FOR WRITING PAPERS

Guidelines Needs Improvement

Cover page Lacks a cover page

Introduction Lacks an introduction

Theme/focus is clearly stated Needs clearer theme/focus

Theme is well developed Needs deeper analysis

Specific examples are given Give more evidence

Clear interpretation/analysis Missing interpretation/analysis

Well-structured/organized Rethink organization

Has a conclusion Lacks a conclusion

Clearly written: grammar, syntax, Fix grammar/syntax/spelling

spelling

Well-documented; APA style of Needs more sources; lacks APA style referencing (see guidelines)

Good command of topic Factual/concept errors

Good synthesis skills Needs more synthesis

Reference page Lacks reference page

Appropriate margins (see Guidelines) Margins do not meet guidelines

Typed, double spaced Is not typed, double spaced

Page length requirement is met (see guidelines) Page length is not met