UNIVERSITY OF SWAZILAND

PART-TIME DIPLOMA IN ADULT EDUCATION YEAR 1

SUPPLEMENTARY PAPER, JULY 2013

TITLE OF PAPER: INTRODUCTION TO RESEARCH AND EVALAUTION

COURSE CODE: DAE 115

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: 1. Answer All questions in Section A

2. Answer any four questions from Section B

3. All questions in Section B carry equal marks

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SECTION A: COMPULSORY

Instructions: Answer all questions. Choose an option that best fit your answer to the following statements/questions.

1. A measuring device which produces consistent results is:

   a) False

   b) Reliable and valid

   c) Valid

   d) Reliable   [2 marks]

2. Democracy is a characteristics of:

   a) Experimental research

   b) Participatory research

   c) Survey research

   d) Historical research   [2 marks]

3. A dependent variable is a

   a) Theoretical concept

   b) Variables that influences other variables

   c) Variables influenced by other variables

   d) Set of attributes   [2 marks]

4. An evaluation which is conducted at the end of programme/project is called

   a) Context evaluation

   b) Formation evaluation

   c) Goal-free evaluation

   d) Summative evaluation   [2 marks]

5. In an experimental design, the variable that is manipulated is the

   a) Dependent variable

   b) Confounding variable

   c) Independent variable

   d) Constant   [2 marks]

6. The most powerful research method for establishing causal relationships in the
   a) Causal – comparative method
   b) Experimental method
   c) Correlational method
   d) Descriptive method [2 marks]

7. The main purpose for a pilot study in educational research is to:
   a) Obtain funds for subsequent research
   b) Determine whether there is any interest in the topic before the researcher launches a major project.
   c) Test and improve the research plan
   d) Provide opportunities for graduate students to get research experience. [2 marks]

8. A good research plan includes:
   a) Specific procedures and data sources, but does not lock the researcher into an analysis plan.
   b) Initial procedures and key data sources, but is also open to modification as the project progresses.
   c) A specific plan regarding data sources and analyses, although information regarding the specific research sample is best left open.
   d) Specific sampling plan, procedures, data sources, and analysis plan. [2 marks]

9. Proposals for _____ studies include a methodology section.
   a) Qualitative
   b) Quantitative
   c) Both quantitative and qualitative
   d) Neither quantitative or qualitative [2 marks]

10. Which of the following is defined as a reasonable guess, or a logical supposition, for explaining the phenomenon and investigation?
    a) Theory
    b) Inference
    c) Hypothesis
    d) Interpretation [2 marks]

SECTION B: ANSWER ANY FOUR QUESTIONS

11. Mention the reasons for using samples rather whole population in conducting studies in social science and education. [20 marks]

12. Write notes on the following evaluation models.
    a) Adversary evaluation
    b) Formative evaluation [20 marks]

13. Given the following purposes for conducting evaluation which evaluation model or part of a model would you use and explain why these particular models would be appropriate.
    a) To measure progress in a project/programme.
    b) To assess all the activities of the project/programme.
    c) To see if the performance of the project/[programme meets the stated targets.
    d) To see if the implementation of the project/programme is according to plan. [20 marks]

14. a) The target population for your study is 4000 and the sample is 100. Using the table of random numbers provided, choose the first ten (10) members of the sample. Remember to indicate the row and column (co-ordinate) from where you start reading your numbers. [10 marks]

    c) why is participatory research a more relevant approach than traditional research in conducting research in Adult Education?
    Support your answer by citing the characteristics of participatory research.[10 marks]

15. Describe the following sampling techniques:
    a) Convenience sampling
    b) Cluster sampling
    c) Propositional stratified random sampling
    d) Systematic sampling. [20 marks]

16. What is the difference between basic research and applied research? [20 marks]

Table 10.1
Sample Page from a Table of Random Numbers

	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99
00	59391	58030	52098	82718	87024	82848	04190	96574	90464	29065
01	99567	76364	77204	04615	27062	96621	43918	01896	53991	51141
02	10363	97518	51400	25670	98342	61891	27101	37355	06235	33316
03	86859	19558	64432	16706	99612	59798	32803	67708	15297	28612
04	11258	24591	36863	55368	31721	94335	34936	02566	80972	08188
05	95068	88628	35911	14530	33020	80428	39936	31855	34334	64865
06	54463	47237	73800	91017	36239	71824	83671	39892	60518	37092
07	16874	62677	57412	13215	31389	62233	80827	73917	82802	84420
08	92494	63157	76593	91316	03505	72389	96363	52387	01087	66091
09	15669	56689	35682	40844	53256	81872	35213	09840	34471	74441
10	99116	75486	84989	23476	52967	67104	39495	39100	17217	74073
11	15696	10703	65178	90637	63110	17622	53988	71087	84148	11670
12	97720	15369	51269	69620	03388	13699	33423	67453	43269	56720
13	11666	13841	71681	98000	35979	39719	81899	07449	47985	46967
14	71628	73130	78783	75691	41632	09847	61547	18707	85489	69944
15	40501	51089	99943	91843	41995	88931	73631	69361	05375	15417
16	22518	55576	98215	82068	10798	86211	36584	67466	69373	40054
17	75112	30485	62173	02132	14878	92879	22281	16783	86352	00077
18	80327	02671	98191	84342	90813	49268	95441	15496	20168	09271
19	60251	45548	02146	05597	48228	81366	34598	72856	66762	17002
20	57430	82270	10421	05540	43648	75888	66049	21511	47676	33444
21	73528	39559	34434	88596	54086	71693	43132	14414	79949	85193
22	25991	65959	70769	64721	86413	33475	42740	06175	82758	66248
23	78388	16638	09134	59880	63806	48472	39318	35434	24057	74739
24	12477	09965	96657	57994	59439	76330	24596	77515	09577	91871
25	83266	32883	42451	15579	38155	29793	40914	65990	16255	17777
26	76970	80876	10237	39515	79152	74798	39357	09054	73579	92359
27	37074	65198	44785	68624	98336	84481	97610	78735	46703	98265
28	83712	06514	30101	78295	54656	85417	43189	60048	72781	72806
29	20287	56862	69727	94443	64936	08366	27227	05158	50326	59566
30	74261	32592	86538	27041	65172	85532	07571	80609	39285	65340
31	64081	49863	08478	96001	18888	14810	70545	89755	59064	07210
32	05617	75818	47750	67814	29575	10526	66192	44464	27058	40467
33	26793	74951	95466	74307	13330	42664	85515	20632	35497	33625
34	65988	72350	48737	54719	52056	01596	03845	35067	03134	70322
35	27366	42271	44300	73399	21105	03280	73457	43093	05192	48657
36	56760	10909	98147	34736	33863	95256	12731	66598	50771	83665
37	72880	43338	93643	58904	59543	23943	11231	83268	65938	81581
38	77888	38100	03062	58103	47961	83841	25878	23746	55903	44115
39	28440	07819	21580	51459	47971	29882	13990	29226	23608	15873
40	63525	94441	77033	12147	51054	49955	58312	76923	96071	05813
41	47606	93410	16359	89033	89696	47231	64498	31776	05383	39902
42	52669	45030	96279	14709	52372	37832	02735	50803	72744	89208
43	16738	60159	07425	62369	07515	82721	37875	71153	21315	00132
44	59348	11695	45751	15865	74739	05572	32688	20271	65128	14551
45	12900	71775	29845	60774	94924	21810	38636	33717	67598	82521
46	75086	23537	49939	33595	13484	97588	28617	17979	70749	35234
47	99495	51434	29181	09993	38190	42553	68922	52125	91077	40197
48	26075	31671	45386	36583	93459	48599	52022	41330	60651	91321
49	13636	93596	23377	51133	95126	61496	42474	45141	46660	42338