

GRANDE PRAIRIE REGIONAL COLLEGE
Department of Business Administration
Course Outline

BA 1130 - ANALYTICAL TOOLS

Managerial and financial accounting topics for marketing students

INSTRUCTOR: Donald Brown

OFFICE: B309B

PHONE: 539-2017 (Work)
532-1119 (Home)

OFFICE HOURS: Weekdays from 9:00a.m. to 11:00a.m.

MATERIALS REQUIRED: Text: Fundamental Accounting Principles, Eighth Canadian Edition, Volume III; Larson, Nelson, Zin, & Carroll; Irwin Ltd.; 1996. (not required)

COURSE DESCRIPTION: The course is an introduction to basic accounting concepts from a marketing point of view. Topics covered include break-even analysis, sales forecasting, net present value, budgeting and financial statement analysis.

COURSE OBJECTIVES: Apply the concept of Present Value and cost-volume-profit relationships to managerial decision making. Prepare sales forecasts and cash budgets to analyze future cash flows. Interpret financial statements.

EVALUATIONS:	Assignments (3)	30%
	Mid-term #1	20%
	Mid-term #2	20%
	Final	30%

COURSE CONTENT:	1. How to use Present Value tables (p. 1265)
	2. Cost-Volume-Profit Analysis - Ch. 24.
	3. Relevant Costs to decision making.
	4. The Master Budget: A Formal Plan for the Business - Ch. 25.
	5. Capital Budgeting and Other Managerial Decisions - Ch. 27.
	6. Financial Statement Analysis

Table A.1 Present Value of \$1

Period	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	12%	14%	16%	18%	20%	24%	28%	32%	36%
1	.9901	.9804	.9709	.9615	.9524	.9434	.9346	.9259	.9174	.9091	.8929	.8772	.8621	.8475	.8333	.8085	.7813	.7516	.7203
2	.9803	.9612	.9420	.9230	.9040	.8850	.8661	.8473	.8287	.8102	.7829	.7567	.7312	.7064	.6821	.6384	.5924	.5443	.4941
3	.9706	.9423	.9151	.8890	.8638	.8396	.8163	.7938	.7722	.7513	.7118	.6750	.6407	.6086	.5787	.5245	.4768	.4268	.3745
4	.9610	.9238	.8885	.8548	.8227	.7921	.7629	.7350	.7084	.6830	.6385	.5921	.5478	.5053	.4653	.4073	.3568	.3041	.2493
5	.9515	.9057	.8628	.8219	.7825	.7443	.7073	.6724	.6396	.6089	.5544	.5000	.4476	.3971	.3484	.2811	.2219	.1608	.0979
6	.9420	.8880	.8375	.7903	.7462	.7050	.6656	.6279	.5920	.5588	.4953	.4338	.3742	.3174	.2633	.1871	.1190	.0500	.0000
7	.9327	.8706	.8131	.7599	.7107	.6651	.6227	.5835	.5470	.5132	.4407	.3700	.3021	.2370	.1746	.0911	.0168	.0000	.0000
8	.9235	.8535	.7894	.7307	.6788	.6304	.5850	.5432	.5040	.4682	.3867	.3178	.2516	.1881	.1272	.0478	.0000	.0000	.0000
9	.9143	.8368	.7664	.7026	.6466	.5979	.5539	.5120	.4722	.4354	.3450	.2771	.2126	.1514	.0934	.0100	.0000	.0000	.0000
10	.9051	.8203	.7441	.6756	.6139	.5604	.5139	.4700	.4287	.3900	.2915	.2246	.1611	.1019	.0460	.0000	.0000	.0000	.0000
11	.8960	.8043	.7224	.6496	.5817	.5238	.4739	.4260	.3831	.3432	.2366	.1707	.1082	.0491	.0000	.0000	.0000	.0000	.0000
12	.8874	.7885	.7014	.6246	.5518	.4889	.4350	.3831	.3382	.2953	.1897	.1248	.0633	.0000	.0000	.0000	.0000	.0000	.0000
13	.8787	.7730	.6810	.6006	.5300	.4621	.4050	.3489	.2990	.2511	.1465	.0826	.0211	.0000	.0000	.0000	.0000	.0000	.0000
14	.8700	.7579	.6611	.5755	.5091	.4452	.3839	.3224	.2665	.2121	.1085	.0456	.0000	.0000	.0000	.0000	.0000	.0000	.0000
15	.8613	.7430	.6419	.5553	.4810	.4173	.3524	.2852	.2239	.1624	.0598	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
16	.8528	.7284	.6232	.5339	.4581	.3936	.3267	.2579	.1921	.1251	.0225	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
17	.8444	.7142	.6050	.5134	.4363	.3714	.3026	.2317	.1619	.0921	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
18	.8360	.7000	.5874	.4936	.4155	.3483	.2764	.2026	.1288	.0550	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
19	.8277	.6864	.5703	.4746	.3957	.3275	.2526	.1758	.1000	.0262	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
20	.8195	.6730	.5537	.4564	.3769	.3078	.2300	.1501	.0723	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
25	.7798	.6095	.4776	.3751	.2953	.2330	.1842	.1460	.1160	.0923	.0588	.0378	.0204	.0145	.0100	.0048	.0021	.0010	.0005
30	.7419	.5521	.4120	.3083	.2314	.1741	.1314	.0994	.0754	.0573	.0334	.0196	.0115	.0070	.0042	.0016	.0006	.0002	.0001
40	.6717	.4529	.3066	.2083	.1420	.0972	.0668	.0460	.0318	.0211	.0107	.0053	.0027	.0013	.0007	.0002	.0001	.0000	.0000
50	.6080	.3715	.2281	.1407	.0872	.0543	.0339	.0213	.0134	.0085	.0035	.0014	.0009	.0004	.0002	.0001	.0000	.0000	.0000
60	.5504	.3048	.1897	.0951	.0535	.0303	.0173	.0099	.0057	.0033	.0011	.0004	.0002	.0001	.0000	.0000	.0000	.0000	.0000

*The factor is zero to four decimal places.

Table A.2 Present Value of an Annuity of \$1 Per Period for n Periods

Number of periods	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	12%	14%	16%	18%	20%	24%	28%	32%	36%
1	0.9901	0.9804	0.9709	0.9615	0.9524	0.9434	0.9346	0.9259	0.9174	0.9091	0.8929	0.8772	0.8621	0.8475	0.8333	0.8085	0.7813	0.7516	0.7203
2	1.9704	1.9416	1.9125	1.8831	1.8534	1.8234	1.7931	1.7625	1.7317	1.7006	1.6692	1.6375	1.6055	1.5732	1.5406	1.4978	1.4548	1.4116	1.3683
3	2.9410	2.8932	2.8456	2.7981	2.7507	2.7033	2.6559	2.6085	2.5611	2.5137	2.4663	2.4189	2.3715	2.3241	2.2767	2.2193	2.1719	2.1245	2.0771
4	3.9020	3.8357	3.7694	3.7031	3.6368	3.5705	3.5042	3.4379	3.3716	3.3053	3.2390	3.1727	3.1064	3.0401	2.9738	2.8975	2.8312	2.7649	2.6986
5	4.8534	4.7725	4.6916	4.6107	4.5298	4.4489	4.3680	4.2871	4.2062	4.1253	4.0444	3.9635	3.8826	3.8017	3.7208	3.6399	3.5590	3.4781	3.3972
6	5.7955	5.6994	5.6033	5.5072	5.4111	5.3150	5.2189	5.1228	5.0267	4.9306	4.8345	4.7384	4.6423	4.5462	4.4501	4.3540	4.2579	4.1618	4.0657
7	6.7282	6.6170	6.5058	6.3946	6.2834	6.1722	6.0610	5.9498	5.8386	5.7274	5.6162	5.5050	5.3938	5.2826	5.1714	5.0602	4.9490	4.8378	4.7266
8	7.6517	7.5355	7.4193	7.3031	7.1869	7.0707	6.9545	6.8383	6.7221	6.6059	6.4897	6.3735	6.2573	6.1411	6.0249	5.9087	5.7925	5.6763	5.5601
9	8.5660	8.4448	8.3236	8.2024	8.0812	7.9600	7.8388	7.7176	7.5964	7.4752	7.3540	7.2328	7.1116	6.9904	6.8692	6.7480	6.6268	6.5056	6.3844
10	9.4713	9.3451	9.2189	9.0927	8.9665	8.8403	8.7141	8.5879	8.4617	8.3355	8.2093	8.0831	7.9569	7.8307	7.7045	7.5783	7.4521	7.3259	7.2000
11	10.3676	10.2364	10.1052	9.9740	9.8428	9.7116	9.5804	9.4492	9.3180	9.1868	9.0556	8.9244	8.7932	8.6620	8.5308	8.4000	8.2688	8.1376	8.0064
12	11.2551	11.1190	10.9838	10.8486	10.7134	10.5782	10.4430	10.3078	10.1726	10.0374	9.9022	9.7670	9.6318	9.4966	9.3614	9.2262	9.0910	8.9558	8.8206
13	12.1337	11.9926	11.8514	11.7102	11.5690	11.4278	11.2866	11.1454	11.0042	10.8630	10.7218	10.5806	10.4394	10.2982	10.1570	10.0158	9.8746	9.7334	9.5922
14	13.0033	12.8572	12.7110	12.5648	12.4186	12.2724	12.1262	11.9800	11.8338	11.6876	11.5414	11.3952	11.2490	11.1028	10.9566	10.8104	10.6642	10.5180	10.3718
15	13.8641	13.7130	13.5618	13.4106	13.2594	13.1082	12.9570	12.8058	12.6546	12.5034	12.3522	12.2010	12.0498	11.8986	11.7474	11.5962	11.4450	11.2938	11.1426
16	14.7162	14.5601	14.4039	14.2477	14.0915	13.9353	13.7791	13.6229	13.4667	13.3105	13.1543	12.9981	12.8419	12.6857	12.5295	12.3733	12.2171	12.0609	11.9047
17	15.5603	15.4002	15.2399	15.0796	14.9193	14.7590	14.5987	14.4384	14.2781	14.1178	13.9575	13.7972	13.6369	13.4766	13.3163	13.1560	12.9957	12.8354	12.6751
18	16.3963	16.2322	16.0679	15.9036	15.7393	15.5750	15.4107	15.2464	15.0821	14.9178	14.7535	14.5892	14.4249	14.2606	14.0963	13.9320	13.7677	13.6034	13.4391
19	17.2240	17.0559	16.8876	16.7193	16.5510	16.3827	16.2144	16.0461	15.8778	15.7095	15.5412	15.3729	15.2046	15.0363	14.8680	14.6997	14.5314	14.3631	14.1948
20	18.0436	17.8715	17.6992	17.5269	17.3546	17.1823	17.0100	16.8377	16.6654	16.4931	16.3208	16.1485	15.9762	15.8039	15.6316	15.4593	15.2870	15.1147	14.9424
25	22.0133	21.8352	21.6571	21.4790	21.2999	21.1208	20.9417	20.7626	20.5835	20.4044	20.2253	20.0462	19.8671	19.6880	19.5089	19.3298	19.1507	18.9716	18.7925
30	25.9077	25.7236	25.5395	25.3554	25.1713	24.9872	24.8031	24.6190	24.4349	24.2508	24.0667	23.8826	23.6985	23.5144	23.3303	23.1462	22.9621	22.7780	22.5939
40	32.8347	32.6456	32.4565	32.2674	32.0783	31.8892	31.6991	31.5090	31.3189	31.1288	30.9387	30.7486	30.5585	30.3684	30.1783	29.9882	29.7981	29.6080	29.4179
50	39.1981	38.9950	38.7919	38.5888	38.3857	38.1826	37.9795	37.7764	37.5733	37.3702	37.1671	36.9640	36.7609	36.5578	36.3547	36.1516	35.9485	35.7454	35.5423
60	44.9660	44.7589	44.5518	44.3447	44.1376	43.9305	43.7234	43.5163	43.3092	43.1021	42.8950	42.6879	42.4808	42.2737	42.0666	41.8595	41.6524	41.4453	41.2382