

Table of contents

Preface vii

Acknowledgements ix

Section 1: Basics of Nutrition

1 Nutrients and Energy 3

2 Water 9

3 Carbohydrates 12

4 Fats 16

5 Protein and Amino Acids 20

6 Vitamins 24

7 Minerals 33

8 Digestion and Absorption 38

9 Energy Balance 42

10 Nutrition Calculations 48

Section 2: Nutritional Requirements of Dogs and Cats

11 History and Regulation of Pet Foods 55

12 Pet Food Labels 59

13 Nutrient Content of Pet Foods 65

14 Types of Pet Foods 71

15 Raw Food Diets: Fact versus Fiction 76

16 Additives and Pet Food Preservatives 80

17 Homemade Diets 85

Section 3: Feeding Management of Dogs and Cats

18 Feeding Regimens for Dogs and Cats 93

19 Body Condition Scoring 99

20	Pregnancy and Lactation in Dogs	103
21	Pregnancy and Lactation in Cats	107
22	Neonatal Puppies and Kittens	110
23	Growth in Dogs	113
24	Growth in Cats	118
25	Adult Maintenance in Dogs	121
26	Adult Maintenance in Cats	124
27	Feeding the Healthy Geriatric Dog and Cat	128
28	Performance and Dogs	133
29	Nutritional Requirements of Cats	139
30	Nutrition Myths	144
31	Nutritional Support	149
32	Assisted Feeding in Dogs and Cats	157

Section 4: Nutritional Management of Disease

33	Nutritional Management of Gastrointestinal Disorders	169
34	Hepatic Disease	175
35	Weight Management	179
36	Feline Lower Urinary Tract Disease	186
37	Dermatology	192
38	Endocrinology	197
39	Cancer	202
40	Refeeding Syndrome	208
41	Cardiac Disease	212
42	Musculoskeletal	217

Section 5: Feeding Management of Other Species

43 Avian 227

44 Small Pet Mammals 234

45 Equine 240

Index 247